

CHARS. E. DAVIS



**Southern
Missionary
College**

**1976-1977
Catalog**

Collegedale, Tennessee

At Your Service

Inquiries by mail or telephone should be directed as follows:

SOUTHERN MISSIONARY COLLEGE

Collegedale, Tennessee 37315

Telephone 396-2111

Area Code 615

ADMISSIONS and REGISTRATION—To the *Director of Admissions and Records*, 396-4312

COLLEGE DEVELOPMENT—To the *Director of Development*, 396-4388

MATTERS OF GENERAL INTEREST—To the *President*, 396-4222

MATTERS OF RESIDENCE HALL LIVING—To the *Dean of Students*, 396-4232

Women's Residence Hall, 396-4378

Men's Residence Hall, 396-4377

PUBLIC RELATIONS—To the *Director of Public Relations*, 396-4252

SCHOLASTIC MATTERS—To the *Academic Dean*, 396-4212

STUDENT FINANCE—To the *Director of Student Finance*, 396-4322

Although overnight accommodations are limited, parents and other friends of Southern Missionary College are cordially invited to visit the campus. The Public Relations Office will gladly arrange for you to see the college facilities and visit classes or other activities. Administrative offices are open from 9:00 A.M. to 12:00 NOON, Monday through Friday and 1:00-4:00 P.M., Monday through Thursday.

CHAS. E. DAVIS



BULLETIN OF SOUTHERN MISSIONARY COLLEGE

COLLEGEDALE, TENNESSEE 37315

SMC welcomes applications from students regardless of race, sex, religion, color, or national origin whose principles and interests are in harmony with the ideals and traditions of the college as expressed in its objectives and policies.

MCKEE LIBRARY
Southern College of SDA
Collegedale, TN 37315

Academic Calendar

Southern Missionary College

1976-77

SUMMER SESSION, 1976

MAY

- 30 Registration
- 31 Classes Begin

JULY

- 2 End of First Session
- 4 Vacation
- 5 Registration for Second Session
- 5 Classes Begin

AUGUST

- 5 Last Day of Classes

FALL SEMESTER, 1976

AUGUST

- 26, 27 ACT and CLEP Tests
- 29 Freshman Orientation, 7:30 p.m.
- 30, 31 Registration

SEPTEMBER

- 1 Classes Begin
- 1 Late Registration Fee Applies
- 8 Last Day to Drop a Class and Receive Full Tuition Refund
- 8 \$5 Fee for Each Change of Class Program
- 15 Last Day to Add Classes
- 22 Last Day to Drop Classes and Receive *Any* Tuition Refund
- 28 Career Day

OCTOBER

- 5 Missions Field Day
- 8 Free Day
- 15, 16 Alumni Homecoming
- 22 Mid-Semester

NOVEMBER

- 24-28 Thanksgiving Vacation (after classes and labs the 23rd)

DECEMBER

- 14-16 Semester Exams (including evenings)
- 17 - Jan. 3 Christmas Vacation Begins (after examinations)

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15367
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1976-
1977

SPRING SEMESTER, 1977

JANUARY

- 4, 5 Registration
- 6 Classes Begin
- 6 Late Registration Fee Applies
- 13 Last Day to Drop a Class and Receive Full Tuition Refund
- 13 \$5 Fee for Each Change of Class Program
- 20 Last Day to Add Classes
- 27 Last Day to Drop Classes and Receive *Any* Tuition Refund

MARCH

- 2 Mid-Semester
- 3-8 Spring Vacation (after classes and labs the 2nd)
- 9 Classes Begin

APRIL

- 10-11 College Days

MAY

- 2-5 Semester Exams
- 6-8 Commencement

SUMMER SESSION, 1977

JUNE

- 5 Registration
- 6 Classes Begin

JULY

- 4 Vacation
- 8 End of First Session
- 10 Registration for Second Session
- 11 Classes Begin

AUGUST

- 11 Last Day of Classes

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THIS IS SOUTHERN MISSIONARY COLLEGE

I. DESCRIPTION

Southern Missionary College is a private four-year multi-purpose coeducational college, owned and operated by the Seventh-day Adventist Church,* providing education in liberal arts, professional, and vocational curricula. Through a series of opportunities provided within and outside the classroom, Southern Missionary College seeks to encourage the acquisition of many additional values held by the Seventh-day Adventist Church.

II. STATEMENT OF EDUCATIONAL PHILOSOPHY

Seventh-day Adventists recognize that God is not only the Creator and Sustainer of the earth and the entire universe, but also the source of knowledge and wisdom. Although many values common to classical and modern humanism are accepted at Southern Missionary College, it is held that these secular values are reflections of the mind of the Creator, the Author of all truth, transcending both space and time.

In His image God created man perfect — sufficient to have stood, though free to fall. Because of sin, this man who bore a likeness to his Creator in his physical, mental, and spiritual nature has become separated from God, losing most of his similarity to his Maker.

To restore in man the image of his Creator — to promote the development of body, mind, and soul that the divine purpose in his creation might be realized — is the object of Christian education, the great object of life.

Believing man to be God's crowning act of creation, Seventh-day Adventists accept as reality the Biblical concept of man's body as the temple of God. Consequently, principles of health are emphasized that the student may more effectively carry out God's purpose, that he may respect the paramount work of the Creator, and that he may live the rewarding and abundant life promised in the Scriptures to those who do His will.

Another aspect of having been created in the image of God is that every human being is endowed with a power akin to that of the Creator—individuality, the power to think and to do. It is the work of true education to develop this power, to train youth to be thinkers and not mere reflectors of other men's thoughts; it is the purpose of this college to send forth men and women who possess breadth of mind, clearness of thought, and courage of conviction.

Seventh-day Adventists believe that knowledge of a personal God can never be derived by human reason alone, but that God has com-

*The college is operated by the Southern Union Conference of Seventh-day Adventists which is comprised of the churches in the states of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

THIS IS SMC

municated His nature, purposes, and plans through divine revelation. They further believe that the Bible — both Old and New Testaments — was given by inspiration of God, contains a revelation of His will to men, and constitutes the only unerring rule of faith and practice. The purpose of Christian education is to assist the students in knowing and doing, with Christ's help, the will of God more perfectly. Only through Christ can man be restored fully as he was created in the image of God.

Our educational philosophy is, then, that true education means more than the pursual of a certain course of study or a preparation for the life that is now. It encompasses the whole being and the whole period of existence possible to man. It is the harmonious development of the physical, mental, social and spiritual powers, preparing the student for the joy of service in this world and in the world to come.

III. STATEMENT OF OBJECTIVES

A. It is the objective of Southern Missionary College to provide curricular and co-curricular activities to prepare creative and dedicated leaders to advance the program of the Seventh-day Adventist Church.

B. It is the objective of Southern Missionary College to provide experiences which will enable the student to:

Become a balanced individual through the harmonious development of his physical, social, mental, and spiritual faculties.

Determine the basic purpose for his life.

Determine his goals and values and to establish his priorities.

Appreciate himself as a unique person while cultivating a sensitivity for the dignity and rights of others.

Acquire a sense of individual responsibility and resourcefulness.

Adopt principles of healthful living, including a balance in diet, physical exercise, adequate rest, and the abstinence from alcohol, tobacco, amphetamines, barbiturates, hallucinogens, narcotics, and other substances or practices harmful to his well being.

Develop emotional maturity as well as physical health in an atmosphere of Christian fellowship and security marked by acceptance, personal concern, and love.

Prepare for contributions to mankind through employment in one or more of the various occupational pursuits.

Learn the value of and receive satisfaction from service to others.

Recognize and accept the principle that value in service be given in exchange for wages.

Learn respect for the dignity of manual labor.

THIS IS SMC

Augment formal instruction with on-the-job training and actual supervised work experience in order to prepare for service in occupational fields as well as to provide means of financial support.

Learn to work well with other people.

Develop wholesome social relationships from the casual and temporary to the close and permanent.

Gain respect for the democratic decision-making processes.

Acquire knowledge and skills — through listening, reading, observing, and discussing for effective participation in democratic processes — to participate constructively in civic and community activities.

Understand and appreciate the world in which he lives through the acquisition of information pertaining to the common heritage in the arts and sciences.

Develop intellectual curiosity, reflective thinking, and the desire to achieve his potential in the search for truth.

Foster an appreciation for that which is elevating and beautiful — particularly God's handiwork in nature and the best in the fine arts.

Gain an understanding of our natural environment, realize the dangers threatening this environment, and assist in its preservation. Develop and exercise creativity in thought and action.

Gain a knowledge of, appreciation of, and opportunity for commitment to God's redemptive plan for man through Jesus Christ as taught from the Bible by Seventh-day Adventists.

Understand and appreciate a Christian value system, allowing it to so permeate his life as to form the primary basis for decision making under any circumstances at any time.

Participate actively as a responsible Christian citizen in the program of the Seventh-day Adventist Church.

C. It is the objective of Southern Missionary College to provide cultural, informational, instructional, and religious resources and services for the community.

HISTORY

In 1892 the educational venture that developed into Southern Missionary College had its beginning in the Seventh-day Adventist Church in the small village of Graysville, Tennessee. The school became known as Graysville Academy. In 1896 the name was changed to Southern Industrial School and five years later to Southern Training School.

THIS IS SMC

In 1916, because of limited acreage available for further expansion of plant facilities, the school was moved to the Thatcher farm in Hamilton County, Tennessee. The name "Collegedale" was given to the anticipated community. At its new location the school opened as Southern Junior College and continued as such until 1944 when it achieved senior college status and the name was changed to Southern Missionary College. Through the ensuing years the College has become known to its alumni and friends as SMC.

SETTING

SMC is unique in its location. The main campus is nestled in the pleasing Collegedale valley, surrounded by some seven hundred acres of school property. The quietness and beauty of its peaceful surroundings is in keeping with the educational philosophy of its governing organization.

The community and campus post office address is Collegedale which is located eighteen miles east of Chattanooga and three miles from Ooltewah off Interstate Highway 75 (formerly U. S. 11 and 64). The Southern Railway line passes through the north side of the campus. A bus service operated by the CARTA Line serves the college campus.

The Orlando campus situated in Florida's "City Beautiful" at the Florida Hospital provides additional clinical facilities for the baccalaureate program of the Division of Nursing. The Madison campus at Madison, Tennessee, offers many of the clinical facilities used in the Associate of Science program in nursing.

ACCREDITATION AND MEMBERSHIPS

SMC is accredited by the Southern Association of Colleges and Schools and is approved by the Tennessee State Board of Education for the preparation of secondary, elementary and early childhood teachers.

The curricula of both the Associate of Science degree program and the Baccalaureate degree program in nursing, including Public Health Nursing, are accredited by the National League of Nursing as surveyed by the Collegiate Board of Review. The Division of Nursing is an agency member of the Department of Baccalaureate and Higher Degree Programs of the Division of Nursing Education of the National League for Nursing. It is also accredited by the Tennessee Board of Nursing, and is recognized by the Florida State Board of Nursing.

The College is accredited by the Seventh-day Adventist Board of Regents and is a member of the Association of American Colleges, the American Council on Education, the Tennessee College Association, the American Association of Colleges for Teacher Education, the National Council of Accreditation for Teacher Education (NCATE), and the National Association for Schools of Music.

ACADEMIC PROGRAM

The academic program consists of twenty departments offering twenty-eight majors and thirty-one minors in which students may

THIS IS SMC

qualify for the baccalaureate degree. Students may pursue programs of study leading to the Bachelor of Arts, Bachelor of Science and Bachelor of Music degrees. Various pre-professional and terminal curricula are available to students wishing to qualify for admission to professional schools and to those wishing to take a two-year terminal program of a technical or vocational nature.

THE FACULTY

The faculty determines the quality of the academic program. A commitment to learning enables SMC teachers to keep abreast of new knowledge in their respective fields, and through research discover the pleasure of exploring those areas of knowledge yet unknown.

The aim of the College is to achieve a closeness of teacher and student which will encourage the student to expand his interests and deepen his learning experiences by chatting informally with his instructors in the offices or on the campus. The faculty consists of well-trained men and women devoted to teaching and academic advising in their areas of specialization.

SMC STUDENTS

Approximately sixty percent of the students of SMC come from the eight states comprising the Southern Union Conference of Seventh-day Adventists. However, most of the additional states and 25-30 foreign countries are also represented in the college community. Generally the student group is fairly equally divided between men and women.

Former SMC students are now serving in the ministerial, teaching, medical, and other services of the Seventh-day Adventist Church at home and abroad. Others are engaged in advanced study, business pursuits, government service, research activities, private and institutional medical services, and in the teaching professions on all levels.

FACILITIES

Wright Hall—Completed in the spring of 1967, this facility houses all the major administrative offices. Academic, business, and student personnel offices are located in the two-story colonial structure.

Lynn Wood Hall—The instructional building, named in honor of Dr. Lynn Wood, president of the College from 1918-1922, is a three-story structure housing teachers' offices and classroom facilities.

Hackman Hall—Earl F. Hackman Hall, modern in arrangement and appointment, a commodious, two-story, fireproof building, contains various well-equipped lecture rooms and laboratories of the Chemistry and the Biology Departments. The first phase of this building was completed in 1951. An addition, comparable in size to the first unit, was completed in 1961.

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Miller Hall—The Harold A. Miller Hall, completed in 1953, houses the music department. This two-story, fireproof building provides studios, practice rooms, and an auditorium equipped with a Baldwin grand piano and a Schantz pipe organ installed in 1962. The building was named in honor of Harold A. Miller, who for many years headed the Music Department.

Thatcher Hall—Thatcher Hall provides facilities for 510 women. This three-story building is carpeted and air conditioned throughout with a bath between each two student rooms.

Talge Hall—Formerly the women's residence hall, this building has been converted to accommodate approximately 400 men. This modern, fireproof structure was completed in 1961 to house 275 students. In 1964 a new wing was completed to house an additional 125 students. The spacious and beautiful chapel with adjoining prayer rooms, the parlors, and the kitchenette are but a few of the attractive features which provide for enjoyable and comfortable living.

McKee Library—Completed in 1970, the McKee Library embodies the spirit of culture and learning. It is built to accommodate 300,000 volumes and will seat more than 600 students, most of them in individual carrels.

Daniells Hall—Formerly the college library, Daniells Hall was renovated in 1970 to accommodate the departments of Physics, Mathematics and Computer Science.

Student Center—This building houses teachers' offices and classrooms on the first floor and the cafeteria on the second floor. On the third floor are located Student Association offices, a formal and an informal lounge, a snackshop, a prayer room and the Chaplain's office.

Spalding Elementary School—This modern one-story elementary school is named for Arthur W. Spalding. The eleven classrooms, auditorium, and recreation room serve as a vital part of the teacher-training program and in the education of the boys and girls residing in Collegedale.

Summerour Hall—This modern two-story structure was completed in the fall of 1971. The complex houses the entire Home Economics facility and includes a foods lab, sewing lab, crafts lab, interior design classroom, child development observation room, other classrooms, and an auditorium seating 126.

Ledford Hall—This modern, well-equipped Industrial Arts facility completed in the summer of 1964, was a gift of the McKee Baking Co. The one-story brick structure contains teacher offices, a classroom, and auto mechanics, welding, drafting, machine shop and printing labs.

Physical Education Building—This new facility, made possible by the Committee of 100 for the development of Southern Missionary

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College, incorporates the latest advancements in design and equipment. It contains a large gymnasium with three basketball courts, a classroom, teacher offices, shower facilities, and a fully enclosed olympic size swimming pool. The pool was contributed by the students who raised \$30,000 in a special campaign to finance the project.

Mazie Herin Hall—This building was completed in the summer of 1975 to serve the needs of the new Division of Nursing, which combines the previous B.S. and A.D. programs in nursing. The building comprises offices, classrooms, conference rooms, a laboratory and a self-paced learning center.

Collegedale Church—The Collegedale church, completed in the fall of 1965, is the spiritual home of the students and faculty of Southern Missionary College and the residents of the local community. Of modern architecture, the church seats approximately 1,800 in the main sanctuary, in addition to Sabbath School rooms and offices for the pastor and assistant pastor.

Collegedale Academy—This building contains all the facilities for operating the day program of the secondary laboratory school. The academy serves commuting students from Hamilton and Bradley counties.

College Plaza—The beautiful College Plaza shopping center completed in the spring of 1963 contains the Village Market, Southern Mercantile, Campus Kitchen, Campus Shop, Collegedale Interiors, Georgia-Cumberland Conference Branch Book and Bible House, Washateria, Barber Shop, Beauty Parlor, Collegedale Credit Union, Collegedale Insurance, U.S. Post Office, a modern service station, a bank, and other office space.

Computer Center—A large, digital computer system is installed on campus, with numerous terminals in administrative offices, academic department, the cafeteria, and other auxiliary centers.

The Computer Center is used for administrative records management, for classroom instruction and for research, and the staff is always available for academic consultation. Several departments have integrated computer usage into course work.

Auxiliary and Vocational Buildings—The auxiliary and vocational buildings include the College Press, Laundry, Cabinet Shop, Broom Shop, Bakery, and Central Plant.

Student Apartments—The college maintains a number of housing units as well as a trailer park for married students. Additional facilities are available in the community.

STUDENT LIFE AND SERVICES

A college is not only classroom instruction but also a mode of association. The effectiveness of the college program is enhanced if students choose to develop their particular interests and to meet their needs through significant participation in the non-academic activities provided. Advisers are available to give counsel and direction in planning the total college program. Students are encouraged to take advantage of the facilities and opportunities planned for their cultural, social, and spiritual growth.

RESIDENCE HALL LIVING

Living in a college residence hall with its daily and inevitable "give and take" prepares the student to meet the vicissitudes of life with equanimity, teaches respect for the rights and opinions of others, and affords a first hand experience in adjusting to a social group.

To assure students this beneficial experience, the College requires those students who take more than three semester hours of classwork, who are unmarried and who are not living with their parents or other close relatives in the vicinity to reside in one of the residence halls.

DINING

For the promotion of student health and simultaneous cultural development, SMC provides a complete cafeteria service, organized to serve the student's schedule with utmost consideration. Service by the cafeteria staff is available for the many student and faculty social functions of the school year.

The modern decor of the spacious dining hall makes it an inviting center of the social and cultural life of the College. Auxiliary dining rooms are available for meetings of various student or faculty organizations.

HEALTH SERVICE

The Health Service is administered by the Director of Health Service in cooperation with the College Physician. Regular office hours are maintained by the service director. The College Physician is on call at the Clinic which is located on the campus.

The room rental charge for residence hall students covers the cost of routine services and non-prescription medications, and infirmary care, as provided under the College group plan. In case of major illness, students may be referred to off-campus hospital facilities. Students when accepted will be supplied with a brochure in which complete information is given concerning the benefits of the health and accident insurance group plan. The College is not responsible for injuries sustained on or off the campus, but is prepared to render first aid assistance as needed.

It is required that all new students submit to a medical examination before coming to SMC. The medical examination form sent out with the application must be used by the examining physician and returned to the College.

STUDENT LIFE AND SERVICES

GUIDANCE AND COUNSELING SERVICE

During registration each student is assigned a curriculum adviser to assist in program planning. Throughout the school year the curriculum adviser will be available for advice and guidance on academic questions.

Although curriculum advisers may be consulted on questions and problems other than academic ones, students are invited to seek counsel from any member of the faculty. Personal problems will be given thoughtful consideration. Members of the faculty deem it a privilege to discuss with the student great principles, concepts, and ideas in an atmosphere of informality and friendliness. Students are urged to become personally acquainted with as many members of the faculty as possible.

Students with personal problems who wish assistance from a professional counselor should consult the Dean of Students or Director of Counseling Services. Personnel trained in psychology and counseling are available to those with serious social and personal problems.

The testing service works in close cooperation with the counseling service in providing guidance information to both students and counselors. Students are urged to take advantage of the testing service as a means of obtaining information useful in choosing a profession or occupation.

ORIENTATION PROGRAM

SMC has a personal interest in the success of the student desiring a college education. There is much that the student must do for himself in getting acquainted with the academic, social, and religious life of the College by perusing this bulletin and the *SMC Student Handbook*. Instruction and counsel is given which will help the student better understand the college program and what is expected of him as a citizen of the college community.

Orientation for new freshman students is held prior to the opening week of the fall term. It includes examinations and instruction helpful in course planning. The student is introduced to the facilities, purposes, and functions of the college. Social occasions are also provided when students may meet faculty members and fellow students. All new freshman students are required to attend the orientation program.

STUDENT EMPLOYMENT SERVICE

The College operates a variety of auxiliary and vocational services and enterprises where students may obtain part-time employment to defray a portion of their school expenses. Opportunities to engage in productive and useful labor can help to develop character traits of industry, dependability, initiative and thrift. Students may also take advantage of these employment opportunities to acquire vocational skills by contacting The Director of Student Finance.

STUDENT LIFE AND SERVICES

Students who accept employment assignments are expected to meet all work appointments with punctuality. To be absent from work appointments without cause or previous arrangement, or notification of illness is sufficient reason for discharge. Students accepting employment by the College are required to maintain their work schedule during the entire semester including examination week.

Residence hall students may not secure off-campus employment without permission of the Dean of Students.

SENIOR PLACEMENT SERVICE

One of the personnel services of the College is that of assisting graduates in securing appointments for service. The Placement Service distributes information concerning senior students to a wide list of prospective employers. The Dean of Students serves as the liaison officer in bringing graduate and employer together.

STUDENT ASSOCIATION

Every student at SMC who is taking 8 or more semester hours of classwork is a member of the Student Association, with voting privileges in the election of officers. Opportunities for leadership development and for cooperation in achieving the objectives of SMC are afforded by the Association. The Association assists the College administration and faculty in the implementation of policies and assumes responsibility in giving direction to campus activities entrusted to it.

The Association's activities are coordinated and communicated through the Student Senate and Cabinet and their several committees. The activities include the publishing of the weekly newspaper, *Southern Accent*; the yearbook, *Southern Memories*; the announcement sheet, *Campus Accent*; and the student-faculty directory.

The activities and responsibilities of officers and the detailed organization of the Student Association are outlined in the *Student Association Constitution and By-laws*.

CAMPUS ORGANIZATIONS

Aside from the Student Association and its committees, more than thirty campus organizations provide opportunity for leadership training. They may be classified under four divisions: church-related organizations, social clubs, professional clubs, and special interest or hobby clubs.

The church-related organizations are the Missionary Volunteer Society, Ministerial Seminar, Collegiate Adventists for Better Living, and the Colporteur Club.

The departmental clubs are organized by the instructional departments of the College under the sponsorship of department heads.

STUDENT LIFE AND SERVICES

The social clubs are organized according to place of residence. These are the Married Couples' Forum; Upsilon Delta Phi, the men's club; and Sigma Theta Chi, the women's club.

CONCERT-LECTURE SERIES

Each year students have the privilege of attending a concert-lecture series featuring distinguished artists, lecturers, and film travelogues. These programs are generally scheduled for Saturday or Sunday nights. The cost of season tickets issued to students at the beginning of each year is partially included in the tuition.

FINE ARTS SERIES

To cultivate an appreciation for that which is elevating and beautiful in the fine arts, evening concerts by visiting musicians are sponsored by the Fine Arts Department. Art exhibits by prominent artists are displayed in the McKee Library and in the Student Center, and are open to the public.

STANDARD OF CONDUCT

In harmony with the objectives of the College, high standards of behavior are maintained to encourage the development of genuine Christian character. Mature Christian students of sound spiritual and social integrity delight in standards that elevate and ennable. Admission to SMC is a privilege that requires the acceptance of and compliance with published and announced regulations. Only those whose principles and interests are in harmony with the ideals of the College and who willingly subscribe to the social program as ordered are welcomed.

A student who finds himself out of harmony with the social policies of the College, who is uncooperative, and whose attitudes give evidence of an unresponsive nature may be advised to withdraw without specific charge. The use of tobacco or alcoholic beverages, the improper use of drugs, theatre attendance, card playing, dancing, profane or vulgar language, hazing, and improper associations are not tolerated.

Each student is expected to acquaint himself with the standard of conduct published in the *SMC Student Handbook*. A copy may be obtained from the Dean of Student Affairs. Interim announcements of policies adopted by the faculty are of equal force with those listed in official publications.

CHAPEL AND WORSHIP SERVICES

In private parochial education it has been well known that elimination of residence halls convocation and all school convocations is the first step toward the separation of the school from its sponsoring church. Con-

STUDENT LIFE AND SERVICES

vocation exercises in the residence halls and for the combination student body serve educational and religious purposes. They also provide an element of unity which is one of the most desirable features of private education such as found at Southern Missionary College.

The religious emphasis weeks and the weekend church services assist the spiritual growth of the students comprising the college community. Students are required to attend these services regularly. Failure to do so will jeopardize the student's current status and readmission privileges.

MARRIAGES

Student marriages are not permitted while a school semester or session is in progress.

ADMISSION TO SMC

SMC welcomes applications from students regardless of race, sex, religion, color, or national origin whose principles and interests are in harmony with the ideals and traditions of the college as expressed in its objectives and policies. To qualify, applicants must give evidence of Christian character, intelligence, health, and a will to pursue the program outlined in this bulletin and the *SMC Student Handbook*. Although religious affiliation is not a requirement for admission, all students are expected to live by the policies and standards of the college as a church-related institution. Only those who by their conduct and attitudes respect the total program may have the privilege of student citizenship on the SMC campus.

PREPARATION FOR FRESHMAN STANDING

Applicants for admission as freshmen must submit evidence according to one of the following patterns:

- A. Regular students:
 - 1. Graduation from an approved secondary school with at least 2.00 GPA in major subjects*, and a minimum of 15 standard score in English and composite on ACT.
- B. Students without graduation from secondary school:
 - 1. At least 18 units, including 12 Carnegie units.
 - 2. At least 3.00 GPA on solids (English, foreign language, mathematics, science, and social studies).
 - 3. A minimum of 20 standard score in English and composite on ACT.
 - 4. Must have recommendation of secondary school staff.
 - 5. Must be socially mature.
- C. Students with an equivalency diploma from their state of residence or a certificate of equivalence from the Home Study Institute if they meet the following requirements:
 - 1. A minimum of 15 standard score in English and composite on the ACT.
 - 2. The time of enrollment at Southern Missionary College is at least four calendar years after the completion of the eighth grade.

Applicants not meeting the requirements for regular admission will be given individual consideration.

While the College does not recommend specific subjects for admission, the following minimum preparation, with quality performance in evidence, is required:

- Three units of English, excluding courses in Journalism and Speech.

*Applicants for the nursing program need a GPA of at least 2.35 in major subjects.

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- Two or more units of mathematics including algebra—algebra and geometry preferred. For those wishing to pursue any curriculum in science or science-related fields, the second unit must be either algebra II or geometry.
- Two units of science—laboratory experience required in at least one unit. Students planning to enter the Program in Nursing must have taken high school chemistry with a grade of at least C in each semester. Students planning to take any paramedical or science curriculum must include either physics or chemistry.
- Two units of social studies. If World History is not included, Survey of Civilization must be taken during the freshman or sophomore year at SMC by all bachelor's degree students.

Two units of one foreign language, and a course in typing are strongly recommended.

Other deficiencies revealed by transcript and entrance examinations will be given individual attention. Make-up work involving remedial non-credit courses and college level courses intended to satisfy secondary unit deficiencies may be assigned as part of the academic program during the freshman year.

ADMISSION OF TRANSFER STUDENTS

Students wishing to transfer to SMC from another accredited college or university must follow the same application procedure as other students. Transfer credits may be applied toward the requirements for a degree when the student has satisfactorily completed a minimum of twelve semester hours in residence. A maximum of seventy-two semester hours may be accepted from a junior college. Background deficiencies revealed by transcripts and entrance examinations will be given individual attention. Students transferring from non-accredited institutions of higher education are given conditional status until the level of their academic performance in residence warrants promotion to regular status. Grades of less than "C" from such institutions will not be accepted toward meeting graduation requirements. A student who has been dismissed from another institution because of poor scholarship or citizenship, or who is on probation from that institution, is not generally eligible for admission until he can qualify for readmission to the institution from which he has been dismissed.

TRANSFER FROM PROFESSIONAL SCHOOLS AND DIPLOMA SCHOOL OF NURSING

Students transferring from professional schools and diploma schools of nursing may receive up to 60 hours of college credit or waiver by validation examinations covering previous courses equivalent to certain requirements including electives as approved by the Academic Dean in counsel with the departmental chairman. L.P.N. graduates may challenge up to 13 semester hours of freshman nursing subjects. A student

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must achieve at least a "C" on a validation examination. Validation tests may not be repeated. The following rules of procedure apply:

1. Application in writing to the departmental chairman of the major field.
2. Payment to the accounting office in advance of a special examination fee of \$25 for each separate validation examination for credit, or \$5 for a validation examination for waiver. If a student registers to audit a course satisfactorily taken previously to prepare for a validation test, no special validation fee will be charged if the test is the usual end of course examination.
3. Credit for challenge and/or validation examinations will not be placed on a student's permanent record and is, therefore, not transferable until that student has successfully completed twelve semester hours in residence at Southern Missionary College.

ADMISSION OF SPECIAL STUDENTS

Mature individuals who do not meet the above college admission requirements and who do not wish to become degree candidates, or otherwise-qualified students who may desire limited credit for transfer to another institution of higher learning, may register as special students.

APPLICATION PROCEDURE FOR ADMISSION

- Request application forms from the Office of Admissions and Records.
- Return the completed application, budget sheet and medical form to the Office of Admissions and Records with the application fee of \$10. This fee is \$10 if the application is received at least six weeks before the beginning of the semester. After that the fee will be \$15.
- It is the student's responsibility to request his former school to forward his transcript to the Office of Admissions in support of his application. This will become the property of the college. **NO TRANSCRIPT WILL BE ACCEPTED DIRECTLY FROM AN APPLICANT.**
- To permit a more effective program of counseling for admission, applicants must submit scores from the American College Testing Program (ACT). Test scores are valuable in determining ability to pursue a college program, and in discovering areas in which the student may be deficient.
- Upon receipt of the application, transcripts of credits, recommendations and test scores, the Admissions Committee will notify the applicant of the action taken.

ADMISSION TO SMC

WHEN TO APPLY OR REAPPLY

New students are urged to submit applications not later than the last term of the senior year of high school. Applications submitted at the beginning of the senior year will sometimes enable the College to suggest ways of strengthening the student's preparation. Because of the difficulty sometimes encountered during the summer months in obtaining necessary transcripts, test scores, and recommendations, more time will be necessary for processing late applications.

Students in residence may submit re-applications without charge until March 31. Thereafter the regular application fee of \$10 will be required until July 15, after which the fee becomes \$15.

PROGRAMS OF STUDY DEGREES AND CURRICULA

As a Christian liberal arts college, SMC intends that God be placed at the center of all learning experience. Through classroom instruction, the spiritual emphasis on college life, and the organized social program for the student, an effort is made to assist students in arriving at a realistic and a satisfying perspective of the universe.

A Christian liberal education at SMC is primarily concerned with character and intelligence, neither of which it can create. It attempts to provide the atmosphere and conditions under which both can be discovered and nurtured to maturity. In essence, it seeks to:

- ▶ Engender a considered sense of judgment and values involving commitments to moral positions based on Christian philosophy, religion and experience.
- ▶ Liberate the individual human mind as essential to the discovery and acquisition of truth.
- ▶ Reveal that education is both discipline and delight, and that meaningful, lasting benefits flow from men and women who have become involved in the pleasures of learning.
- ▶ Provide knowledge of classified facts pertaining to man's relationship to his physical and social universe.
- ▶ Develop basic abilities and skills that are widely transferable and needed in nearly all of man's pursuits. To understand people, to be able to organize and communicate effectively, and to possess a will to follow through with the assigned task at hand are all essential tools for successful living.

PLANNING A COURSE OF STUDY

When planning for college, the student should consider in detail the course of study desired as a preparation for a specific profession or occupation. It is not always necessary to have made firm decisions about the choice of one's life work before entering college. Some students prefer to take a general program of education during the freshman year while exploring several fields of knowledge. This approach need not result in loss of credits if carefully planned.

Students planning to teach should consult the Department of Education so as to include courses in teacher education as a part of their program of study in order to qualify for denominational and state certification.

The programs of study and the over-all graduation requirements outlined in this bulletin should be seriously considered by students in advance of registration. After careful study of the desired program the student should then consult his faculty adviser. If convenient, freshman students may wish to consult faculty advisers during the summer months prior to the beginning of the fall term.

PROGRAMS OF STUDY

The College offers programs of study leading to the Bachelor of Arts, Bachelor of Science, and Bachelor of Music Degrees, as well as numerous associate degree programs. Although SMC is essentially a liberal arts college, pre-professional and terminal curricula are offered for students who do not wish to complete the bachelor's degree.

GENERAL DEGREE REQUIREMENTS

The general degree requirements for a baccalaureate degree are:

- ▶ Satisfactory make-up of deficiencies revealed by high school transcript and entrance examinations.
- ▶ A minimum of 124 semester hours including 40 hours of upper biennium credits, with at least 14 upper biennium in the major and 6 in the minor, and a resident and cumulative grade point average of 2.00 (C) or above. B.S. nursing students need 128 semester hours, Elementary Education students need 128 semester hours, and Bachelor of Music Education students need 125 semester hours.
- ▶ Completion of a major and minor (two majors accepted), with a cumulative grade point average of 2.25 in the majors*; the general education requirements; and electives to satisfy the total credit requirements for graduation. Courses completed with grades lower than a "C—" may not be applied on a major or minor. No course may fulfill both major and minor requirements of the same student.
- ▶ Completion of the Undergraduate Record Examinations Area, Field and Aptitude tests.
- ▶ Students wishing to obtain a second degree will need to complete, beyond the 124 minimum hours required, (a) a minimum of 30 hours including 16 upper biennium and, (b) a new major.

GRADUATION REQUIREMENTS

Transcripts of correspondence and transfer credits must be received at the office of admissions and records before the student is allowed to graduate.

Dates of Graduation: The date of graduation will be the first day of the month after graduation requirements have been met, with the exception of the month at the close of the school year, when the date is to be the actual date of the commencement.

Participation in Graduation Exercises: All seniors who have completed their graduation requirements since the commencement held at the close of the preceding school year may participate in the graduation exercises.

In Absentia Policy: Seniors who are enrolled at Southern Missionary College during the semester in which the commencement exercise is held

*A music major requires a grade point average of 2.25 in applied music and other music courses, figured separately.

PROGRAMS OF STUDY

are to be present for the ceremony, or an *in absentia* fee of \$25 will be levied.

RESIDENCE REQUIREMENTS

Baccalaureate Degree: Thirty semester hours of credit must be completed in residence immediately preceding the conferment of the Baccalaureate degree. These hours must include 16 upper division, with eight in the major and three in the minor fields.

Associate Degree: Twenty-eight semester hours of credit must be completed in residence immediately preceding the conferment of the Associate degree. Sixteen of these hours must be in the major area of study.

GENERAL EDUCATION REQUIREMENTS

The well-educated individual must possess an understanding of the broad outlines of human knowledge as well as of his chosen field of specialization. It is the purpose of general education to provide the student with a capability for critical thinking and a knowledge of his cultural heritage and spiritual, physical and social environment. The student's health, labor and recreation are covered in both theoretical and practical courses. Thus all degree candidates are required to select certain general education courses as a part of the total educational program. It is expected that every student will take courses in Religion and English during the freshman year, and a large proportion of the general education requirements should be completed by the close of the sophomore year. Any divergence from the general education program is outlined under the specific major requirements.

No course in a student's first major shall meet his general education requirements. Religion and Theology majors shall distribute the 12 hours of general religion (Man's God) requirements over the remaining four general education categories with each being represented.

GENERAL EDUCATION REQUIREMENTS

	<i>B.A., B.S., B.Mus.</i>	<i>A.A., A.S.</i>
A. Man's God	12 hours	6 hours
B. Man's Culture	15 hours	6 hours
C. Man's Environment	12 hours	6 hours
D. Man's Communication Needs	8 hours	6 hours
E. Man's Labor and Recreation	6 hours	3 hours
Total Gen. Educ. Requirements	53 hours	27 hours

General education subjects will be selected from the following groups:

A. MAN'S GOD

Bachelor's degree programs require 12 hours selected from sections

PROGRAMS OF STUDY

1 & 2 and Associate degree programs require 6 hours selected from the same sections. Transfer students will need three semester hours each year, with a minimum of six hours.

1. *Bible*

RELB 125, 335, 336, 425, 426, 445, 446

2. *Religion and Applied Theology*

RELT 105 (for students with no academy Bible)

RELT 138 (required of all students)

RELT 155, 225, 315, 367, 368

RELP 235, 305, 307

B. MAN'S CULTURE

Bachelor's degree programs require three of the following four numbered groups represented. Associate degree requirements may be selected from the total groups. Students who have not taken World History at the secondary level must include HIST 174 and 175.

1. *History*

HIST 154, 155, 174, 175, 354, 355, 356, 357, 364, 365, 374, 375, 376, 377, 378, 465

2. *Literature*

ENGL 213, 214, 215, 216, 333, 334, 335, 336, 337, 338, 444, 445

MDLG 304

GRMN 355, 356, 358, 359, 364, 425, 435

SPAN 355, 356, 445, 455, 456

3. *Modern and Biblical Languages*

GRMN 101, 102, 211, 212, 344, 347, 354

SPAN 101, 102, 211, 212, 344, 354, 365

FREN 211, 212

RELL 271, 272, 311, 312

4. *Humanities; Art and Music Theory*

ART 345, 346, 356

MUHL 314, 315

HMNT 205

C. MAN'S ENVIRONMENT

Bachelor's degree programs require each of the following numbered groups to be represented by not less than 3 semester hours. Associate degree requirements may be selected from the total groups.

1. *Physical Environment*

BIOL 104, 105, 106, 107, 125, 126, 155, 156, 205, 226, 314, 315, 316, 317, 325, 414, 416

PROGRAMS OF STUDY

CHEM 101, 102, 104, 105, 106, 151, 152
PHYS 107, 155, 211, 212, 213, 214, 315
FDNT 125
MATH 104, 105, 114, 115, 215, 216, 217, 315

2. *Human and Social Environment*

PSYC 124, 126, 127, 225, 315, 316, 317, 377
SOCI 125, 223, 224, 275, 424, 425, 427
SOCW 221
BUAD 128, 337, 338
ECON 224, 225, 324
HLED 173, 203, 373
EDUC 125, 126, 226, 316, 425
PLSC 254, 366
GEOG 204
HMEC 313, 314

D. MAN'S COMMUNICATION NEEDS

Bachelor's degree programs require each of the numbered groups to be represented. Associate degree requirements may be selected from the total group.

1. *English (non-literature)*

ENGL 101, 102
JOUR 111, 316

2. *Speech*

SPCH 135, 136, 236, 237

E. MAN'S LABOR AND RECREATION

Bachelor's degree programs require each of the numbered groups to be represented. Associate degree requirements may be selected from the total group.

1. *Applied Skills*

ACCT 121, 122, 317
CPTR 125, 217, 218, 219
HMEC 146, 147, 149, 164, 165, 166, 244, 315, 316, 345, 346, 349
FDNT 124, 127, 217, 317
INDS 121, 122, 145, 149, 154, 155, 174, 175, 176, 177, 184, 255,
264, 265, 274, 325
SECR 104, 105, 114, 115, 117, 214, 218
AGRI 105

PROGRAMS OF STUDY

LIBR 125, 126, 225, 325, 425

AVIA 101, 102

2. *Recreation*

PETH 263, 265, 266

PEAC (any P.E. activity course)

ART 104, 111, 112, 214, 218, 225, 235, 236, 318

MUPF (any church music, applied music, or music ensemble course)

CMME 225, 331

MAJORS

Fifteen majors for the Bachelor of Arts degree are offered:

Art and Design	Mathematics
Biology	Music
Chemistry	Physics
Communication	Psychology
English	Religion
German	Spanish
History	Theology
Language and Culture	

Thirteen majors for the Bachelor of Science degree are offered:

Behavioral Science	Early Childhood Education	Industrial Arts
Biology	Elementary Education	Medical Technology
Business Admin.	Health, Phys. Ed. and Recreation	Nursing
Chemistry	Home Economics	Office Admin.
		Physics

The Bachelor of Music degree is available to students planning to major in music with special emphasis in music education. The detailed requirements for this professional degree are outlined under the Department of Music in the section "Departments and Courses of Instruction."

MAJOR AND MINOR REQUIREMENTS

The College offers twenty-eight majors and thirty-one minors for students wishing to qualify for a baccalaureate degree. Minors are offered in Applied Theology, Biblical Greek, Communication Media, Fields Related to English Education, Foods and Food Service, History for Religion Majors, Journalism, Marriage and Family Relations, Psychology, Sociology, and Speech, as well as in most major fields of study listed under the degree programs. Each major for a baccalaureate degree consists of thirty hours or more in the chosen field of specialization of which a minimum of fourteen must be upper biennium credit. The total of semester hours

PROGRAMS OF STUDY

required for each major for the Bachelor of Science and Bachelor of Music degrees varies with the field of specialization chosen.

All minors consist of eighteen semester hours. Six hours of a minor must be upper biennium credit.

The specific requirements for majors and minors are given under the respective departments in the section "Departments and Courses of Instruction." No class may fulfill both major and minor requirements.

PRE-PROFESSIONAL CURRICULA

SMC offers pre-professional and pre-technical programs in a wide variety of fields which may prepare students for admission to professional schools or to enter upon technical careers. Below are listed the pre-professional curricula most frequently chosen by students.

Dentistry	Medical Record	Osteopathy
Dental Hygiene	Administration	Physical Therapy
Dietetics	Medicine	Public Health Science
Engineering	Occupational Therapy	Veterinary Medicine
Law	Optometry	X-Ray Technology

Pre-professional and technical admission requirements may vary from one professional school to another. The student is, therefore, advised to become acquainted with the admission requirements of the chosen school.

Detailed requirements for the pre-professional curricula are outlined in the section on "Pre-Professional Curricula."

TERMINAL CURRICULA

Southern Missionary College offers the following thirteen terminal curricula leading to the Associate of Science degree.

Art and Design	Industrial Education
Business	Media Technology
Computer Science	Medical Office Administration
Construction Technology	Music
Food Service and Baking Management	Nursing
Home Economics	Office Administration
	Preschool Education

In addition to the above, one-year programs in Clerical and Food Service are offered.

Complete details of course requirements for the terminal curricula are outlined in the departmental descriptions in the bulletin section "Departments and Courses of Instruction."

ACADEMIC INFORMATION

REGISTRATION

Students are expected to register during the scheduled registration periods designated in the school calendar. The registration process is complete only after all procedures have been met and registration forms are returned to the Office of Records. Freshmen are required to participate in the Orientation Week activities.

Late Registration. Permission to register late must be obtained from the Director of Admissions and Records. Students failing to register during the scheduled registration periods will be assessed a late registration fee of \$10.00 and \$2.00 for each additional day. The course load of a late registrant will be reduced by one to two semester hours of each expired week of instruction. No student should expect to register after two weeks of the semester have elapsed.

Changes in Registration. To avoid changes in registration the student should carefully consider the program of courses necessary to meet his objectives. To avoid subsequent adjustments, a balance must be maintained between the course load, work program, and extra-curricular activities.

If expedient, changes in the student's program may be made during the first week of instruction by the Director of Records with the approval of the course instructor. Subsequent changes must also have the approval of the Academic Dean. To effect a change in courses, the student must obtain the appropriate change of registration voucher at the Office of Records. After having the proposed change of program approved, the student must return the form to the Office of Records. Course changes and complete withdrawals from the school become effective on the date the voucher is filed at the Office of Records. A fee of \$5.00 will be assessed for each change in the course program following the first week of instruction.

A student may not change from one course section to another without the approval of the instructor and the Director of Records.

A student may withdraw from a class up to three weeks after the end of the mid-term and receive a grade of "W" automatically. A student withdrawing from a class after that up to the last class before final examinations will be assigned a grade of "W" or "WF" by the teacher.

Auditing Courses. A student may register on an audit basis with the approval of the department in courses for which he is qualified. Class attendance is expected but examinations and reports may be omitted. With the approval of the instructor a student may change a course registration from audit to credit, or from credit to audit, during the first week of instruction only. No credit is given for courses audited, and the fee is one-half of the regular tuition charge.

ACADEMIC INFORMATION

COURSE LOAD

The measure of a college course is expressed in semester hours. A semester hour usually consists of one fifty-minute class period per week for one semester. Thus, two semester hour classes are scheduled to convene twice a week and three semester hour classes three times a week. A laboratory period of two or three hours is equal to one class period.

To qualify for a baccalaureate degree in four years, a student must take an average load of sixteen hours per semester. The summer term may be used to advantage by students wishing to complete degree requirements in less than four years or by students having to take reduced programs of studies during the regular academic year.

Except by permission of the Academic Dean, a resident student may not register for more than sixteen or less than eight semester hours. By permission, students of superior scholastic ability may register for a maximum of eighteen hours. Freshmen may not exceed seventeen hours. A student is expected to pursue a program of studies equal to his ability.

Study-Work Program. It is exceedingly important that the student adjust the course load to achieve a reasonable balance in study and work. During registration the student should confer with his adviser or major professor in planning the proper balance of study and work. In determining an acceptable study-work program, the student's intellectual capacity and previous scholastic record are considered. Exceptions to the following schedule of study and work must receive the approval of the Academic Dean.

Course Load	Maximum Work Load
16 hours	16 hours
14 hours	20 hours
12 hours	26 hours
10 hours	32 hours
8 hours	38 hours

Students of average scholastic ability are advised to plan a study-work program involving less than the maximum hours of labor permitted. Freshmen in particular need more time for orientation and adjustment to the college academic program.

GRADING SYSTEM

Mid-semester and semester grade reports are issued to the student and his parent or guardian (if authorized by the student). Only

ACADEMIC INFORMATION

semester grades are recorded on the student's permanent record at the College. The following system of grading and grade point values is used:

A	4.0 grade points per hour	D	1.0 grade points per hour
A-	3.7 grade points per hour	D-	0.7 grade points per hour
B+	3.3 grade points per hour	F	0.0 grade points per hour
B	3.0 grade points per hour	W	Withdrawal
B-	2.7 grade points per hour	WF	Withdrew Failing (0.0 grade points per hour)
C+	2.3 grade points per hour	AU	Audit
C	2.0 grade points per hour	NC	Non-credit
C-	1.7 grade points per hour	I	Incomplete
D+	1.3 grade points per hour		

A student may receive an "Incomplete" because of illness or other unavoidable delay. A student who believes he is eligible for an incomplete must secure from the Office of Admissions and Records the proper form on which he may file application with the Academic Dean to receive an incomplete. In order to receive credit, the student must make up his incomplete grade by the end of the first six weeks of the following semester.

A course in which the student received a grade of "C," "D" or "F" may be repeated before he takes a more advanced course in the same field. Only the last grade will be counted on repeated courses. No course may be repeated more than twice.

The grade point average may be calculated by dividing the total number of grade points earned by the hours attempted.

ACADEMIC PROBATION

When for any reason a student's scholarship falls below a "C" (2.00) average, he will be placed on academic probation.

A student reaches the point of academic dismissal when his cumulative grade point average fails to reach the following accumulated levels:

Semester Hours Attempted	G.P.A. Dismissal Level
24-48	1.50
49-64	1.65
65-80	1.75
81-93	1.85
94-up	1.95

Beginning freshmen will be allowed to attempt 23 semester hours over a period of two semesters before being subject to dismissal. Candidates for the Associate of Science degree must have a grade point average of at least 1.95 before being accepted for their final year and at least 2.00 to graduate.

A student academically dismissed may not be readmitted until two sessions have elapsed. Eligibility for readmission shall include successful

ACADEMIC INFORMATION

college-level work taken in another institution or other evidence of maturity and motivation.

Transfer students should have a grade point average of at least 2.00 in order to be eligible for admission to Southern Missionary College.

Any person coming to the senior year with a grade point average of less than 2.25 in the major will be placed on academic probation.

Students with less than a 2.00 cumulative grade point average may not hold office in any student organization and may not participate in any non-academic organization which performs publicly on or off campus. In addition, to hold any elected office in a student organization a student must also have a cumulative grade point average of 2.25 or a 2.50 grade point average for the previous semester.

CLASS AND CHAPEL ATTENDANCE

Class Attendance. Attendance at class and laboratory appointments is required. A student's schedule is considered a contract and constitutes a series of obligated appointments.

1. Absences: Absences are counted from the first scheduled meeting of the classes and are considered as either an excused or an unexcused absence. Excused absences are recognized as absences incurred because of illness, authorized school trips, or emergencies beyond the student's control.

To have an absence recorded as an excused absence the student must, upon returning to class, show the instructor an absence excuse blank signed by the proper authority as listed below. He must do so within the first two class periods after he returns to class.

a. Illness: Dormitory students excused by health service. Non-dormitory students by college or family physician or dean of students. Students will not be excused from classes for reasons of illness unless they have been in touch with the health service prior to missing the classes.

b. Authorized school trips: The sponsor of the group should send a list of those who attended any such trip to the academic dean the day following the trip. He will make this list available to all teachers within 24 hours. If a certain person's name is not on the list, the instructor may record the absence as unexcused.

c. All other excusable absences should be cleared through the academic dean.

If the number of unexcused absences in any class exceeds the number of hours credit in the class, it will be cause upon the recommendation of the instructor, with the approval of the academic dean, for dismissal from the class. A grade of W or WF will be recorded.

ACADEMIC INFORMATION

An instructor may announce at the first class meeting of a course that no student who is absent from class for 25 percent or more of class appointments will receive a passing grade. Four tardinesses may be considered as one absence.

2. Make-up work: A student may expect to make up class work only if the absence is excused. All make-up work involving examinations and other class assignments must be completed within one week after the student returns to class unless an extension of time is arranged with the instructor. A teacher may have the option, if it is agreeable with the individual student, to give an average grade on a make-up quiz or use it as one of the quizzes to be thrown out if that practice is followed. However, if the student prefers to be given a make-up quiz, it is his prerogative and the instructor shall be obliged to do so.

Chapel Attendance. The chapel service is provided for the spiritual and cultural benefit of the college family, to promote the interests of SMC, and to develop and conserve a spirit of campus unity. In essence the chapel attendance policy is the same as for class attendance in that no absences are permitted except for illness, authorized school trips, or emergency. Excuses must be presented at the Dean of Students office within 48 hours after the absence. It is the responsibility of each student to keep check of his chapel absences. Upon receiving the fourth unexcused absence, the student will receive a letter of advice, and upon receiving the fifth, a letter of warning. Additional unexcused absences will result in a student's being placed on citizenship probation. Continued absences may disqualify the student as a citizen on this campus.

A satisfactory chapel attendance record is required for readmission to SMC.

VETERANS

Veterans or other eligible persons are required to attend classes in order to be eligible for educational benefits. Southern Missionary College is required to report promptly to the V.A. the last day of attendance when an eligible person withdraws or quits attending classes regularly.

A veteran or eligible person may not be certified for any course or subject that does not fulfill requirements for his stated degree and major. Audited courses, non-credit courses (except for a required remedial course), and correspondence work cannot be certified.

Educational benefits will be discontinued when the veteran or eligible person ceases to make satisfactory progress. According to V.A. regulations, no student will be considered to have made satisfactory progress when he fails or withdraws from all subjects undertaken (except when there is a showing of extenuating circumstances) when enrolled in two or more subjects, or when he fails to maintain good and regular academic standing for more than one semester. Benefits may be resumed only after the individual has obtained V.A. counseling and approval.

ACADEMIC INFORMATION

SPECIAL EXAMINATIONS

Upon recommendation of the instructor and the approval of the Academic Policies Committee, a student may obtain a waiver of curricular requirements by successfully completing comprehensive examinations—written, oral, manipulative or otherwise, as determined by the instructor. Any request for waiver examinations is to be made at the regular registration period and the examination must be taken at a date within three weeks of the request being granted. A fee of \$5.00 is assessed. See page 15 for policy relating to transfer of credit from professional schools.

CLEP

SMC gives academic credit for the College Level Examination Program providing the student takes the "subject" examination and passes at the 50th percentile or above. However, no credit will be granted for such CLEP tests after a student has attempted 24 semester hours of regular college classwork. The student is strongly advised to make arrangements for these tests even before his freshman registration to make it possible for him to take the examinations in good time.

No person who receives a grade of D or F in a subject taken in class may repeat that subject by CLEP.

COLLEGE CREDIT BY EXAMINATION

In recognition of special needs, college credit by examination is permitted. The following rules of procedure apply:

- ▶ Application in writing to the Academic Dean with the approval of the major professor and department chairman.
- ▶ Payment to the accounting office of a special examination fee of \$25.00.
- ▶ Sitting for the comprehensive examinations, written, oral, manipulative or otherwise as determined by the instructor in collaboration with the department chairman. The examination must be taken during the semester in which approval is granted. Examinations for credit or for waiver may be taken only once.
- ▶ A grade of "B" must be achieved by the student to have course credits recorded as college credit.
- ▶ Any request for credit examinations is to be made at the regular registration period and the examination must be taken at a date within three weeks of the request being granted.
- ▶ Credit for challenge and/or validation examinations will not be placed on a student's permanent record and is, therefore, not transferable until that student has successfully completed twelve semester hours in residence at Southern Missionary College.

ACADEMIC INFORMATION

JUNIOR COLLEGE CREDIT

A maximum of 72 semester hours will be accepted from junior college transfers and no credit will be granted for work taken at a junior college after a student has earned 96 semester hours of college credit. Any exception to this policy will be decided by a committee comprising the academic dean, the director of admissions and records, and the chairman of the college department concerned.

CORRESPONDENCE AND EXTENSION COURSES

A maximum of twelve semester hours of correspondence or extension credit may apply toward a baccalaureate degree program and eight hours toward a two-year terminal curriculum.

The Home Study Institute of Washington, D.C., is the officially recognized correspondence school of Southern Missionary College. The college recommends the Home Study Institute for those students needing correspondence credit and accepts all such credits when the study program is approved by the director of admissions and records prior to enrollment.

A student will be permitted to carry correspondence or extension work while in residence only if the required course is unobtainable at the College. Correspondence courses, whether taken while in residence or during the summer, must be approved in advance by the Director of Admissions and Records.

Correspondence work may not apply on the upper biennium requirements of the major or minor. A minimum grade of "B" must be earned to apply on the lower biennium requirements for a major. Correspondence credit with a "D" grade is unacceptable and a course in which the student earned a grade of "D" or "F" while in residence may not be repeated by correspondence. No correspondence credit will be entered on the student's record until he has earned a minimum of twelve hours in residence with an average of at least "C." Official transcripts must be in the Office of Admissions and Records before a diploma will be ordered. The graduation date will be the first of the month following the receipt of the official transcript.

HONORS

The following honors program has been devised in recognition of quality scholarship and a commitment to learning.

Dean's List. Students who carry a minimum of twelve semester hours and attain a grade point average of 3.50 or above for two consecutive semesters in residence are listed on the official Dean's List. At the discretion of the instructor, students on the Dean's List may be given the opportunity to pursue planned programs of independent study in certain upper biennium courses designated by the instructor.

Honorable Mention. Students who achieve a grade point average of 3.00 or above for a single semester with a minimum course load of twelve hours are given honorable mention.

ACADEMIC INFORMATION

CLASS STANDING

Freshmen	0-23 semester hours
Sophomores	24-54 semester hours
Juniors	55-93 semester hours
*Seniors	94- semester hours

The class standing for which a student qualifies generally continues through the entire school year. Eligibility for office requires an acceptable scholastic and citizenship record.

*A student may not be classified as a senior until he has filed a formal request with the Office of Records. All candidates for graduation must join the senior class organization and meet the non-academic requirements voted by the class membership.

GRADUATION WITH HONORS

A degree candidate in good and regular standing, having attained an overall grade point average of 3.50 or higher, may have the degree conferred *cum laude*.

RESPONSIBILITY OF THE STUDENT

The responsibility for satisfying degree requirements rests with the student. Each student is expected to acquaint himself with the various requirements published in the bulletin and to plan his course of study accordingly. The student may choose to meet the requirements of any one bulletin in effect during the period of residency. If he discontinues for a period of twelve months or more, he must qualify according to a single bulletin in force subsequent to his return.

A student may become a degree candidate when he enters upon the school term during which it will be possible to complete all requirements for graduation. Formal application for graduation must be made during the fall registration of the senior year. Students transferring to SMC for the senior year must file a request at the time of registration. All resident candidates must be members of the senior class.

TRANSCRIPTS

Official transcripts of a student's academic record may be obtained by the student upon a written request to the Office of Admissions and Records. The request must include the student's signature and payment of one dollar in cash, check, or money order for each transcript ordered. Because of legal difficulties, telephone requests from students or written requests from other members of the student's family cannot be honored.

A student may receive an unofficial transcript for evaluative purposes without charge by applying in person at the Office of Admissions and Records. Official transcripts given directly to a student will be stamped "student copy."

SEQUENCE OF COURSES

A student may not receive credit for a course which is a prerequisite for a subsequent advanced course for which he has already received credit.

DEPARTMENTS AND COURSES OF INSTRUCTION

COURSE NUMBERS

Each course number consists of three figures as follows:

(a) The first numeral will indicate class year status as follows:

- 0 — remedial and noncollege
- 1 — freshman level
- 2 — sophomore level
- 3 — junior level
- 4 — senior level

(b) The second numeral indicates the following:

- 1 — shows that there are prerequisites for the course
- 9 — shows that the course is independent study, project or research type
- 0 and 2-8 — no designation

(c) The third numeral indicates the following:

- 1 — signifies a course which is first in a sequence
- 2 — signifies a course which is second in a sequence and presupposes one as a prerequisite
- All other figures have no designation.

Within a given 100 sequence there is no necessary significance in one course number being higher than another. For instance, 265 does not necessarily mean that the course is on a higher level than 235.

Course numbers that stand alone represent courses of one semester which are units in and of themselves. Course numbers separated by a comma represent units in and of themselves, either one of which may be counted for graduation without reference to sequence.

Course numbers separated by a colon are year courses in which credit for the first course is a prerequisite to the second. However, credit may be given for the first semester when taken alone.

ALTERNATING COURSES

Throughout the following section, courses which are not offered during the school year 1976-77 will be starred to the left of the course number. This arrangement of offering courses in alternate years makes possible the enrichment of curricula without a proportional increase of instructional expense.

GENERAL EDUCATION

Those subjects which may be used for general education will be so designated, showing what section of general education they fulfill.

ART & DESIGN

ART & DESIGN

Robert Garren, Malcolm Childers

It is elemental to the philosophy of the department of art and design to provide the student with the quality of environment most conducive to spiritual, aesthetic, and technical growth. It is our desire to help all students become aware of their options in the field of art and design, and to prepare them systematically to meet the needs of their respective choice, be it commercially or aesthetically oriented.

Major — Art Emphasis: Thirty-six hours for the Bachelor of Arts degree including 111, 112; 314, 345, 346, 499, with not less than 14 hours in upper division courses. Cognate requirement: CMME 225.

Major — Interior Design Emphasis: Thirty-six hours for the Bachelor of Arts degree including 111, 112; 211, 212; 315, 316; 356, with not less than 14 hours in upper division courses. Cognate requirement: INDS 325.

Minor: Eighteen hours including courses 111, 112; 345 or 356 with not less than 6 hours in upper division courses.

ASSOCIATE OF ARTS DEGREE IN ART & DESIGN

Sixty-four hours are required for the Associate of Arts degree in art and design, including courses 111, 112 and 345; plus electives to make a total of 30 hours in art and design.

ART 104. BEGINNING DRAWING (E-2) 2 hours

An introductory course in drawing, composition and design. Emphasis on the basic art elements and their functions in composition using various media. Does not apply on a major.

ART 111, 112. STUDIO ESSENTIALS I, II (E-2) 5.5 hours

Semester I: A course designed to help the beginning art major towards a broad vision base through exercises in photography, two dimensional, and three dimensional design.

Semester II: A course designed to give the art major needed technical experience in two dimensional and three dimensional projects. Areas to be explored will be painting, drawing, and sculpture.

ART 211, 212. SPACE PLANNING AND DESIGN I, II 3.3 hours

Prerequisite: ART 111, 112 (ART 104 for non-majors).

A basic interior design course dealing with man's relation to space, architecture, and the environment in a broad sense. The emphasis is on space planning, architectural presentation, and construction. The course progresses from the designing of living spaces to the designing of small-scale commercial and/or public spaces. Two three-hour combined lecture and laboratory periods each week.

ART 213. DRAWING 3 hours

Prerequisite: ART 111, 112 (ART 104 for non-majors).

A course designed to give the student increased experience in rigid point media. Progress is geared to student involvement.

ART & DESIGN

ART 214. PAINTING (E-2)

3 hours

Prerequisite: ART 111, 112

A course designed to give the student experience in flexible point media (watercolor, acrylic, oil). Progress is geared to student involvement.

ART 215. SCULPTURE

3 hours

Prerequisite: ART 111, 112 (ART 104 for non-majors).

Introduction to the problems of form in sculpture and three-dimensional design using various media such as clay, plaster, wood, and metal casting. Taught alternate years.

ART 216. TEXTILE DESIGN

3 hours

Prerequisite: ART 211, 212 (ART 104 for non-majors).

A design course dealing with the decoration of fabric by means of dye or pigment. Emphasis on materials, processes, and the application of design elements to fabric decoration. Two two-hour combined lecture and lab periods each week. Taught in alternate years.

ART 217. PRINTMAKING

3 hours

Prerequisite: ART 211, 212 (ART 104 for non-majors).

A course designed to give the art major experience in the basic printmaking media. Relief, intaglio, silk-screen, and plate lithography will be covered.

ART 218 or 318. ART APPRECIATION (E-2)

1 hour

ART 225. CRAFT DESIGN (E-2)

2 hours

Problems in crafts using a variety of materials and techniques.

ART 235. CERAMICS (E-2)

3 hours

Fundamentals of the preparation and use of clay. Methods of fabrication from hand building to wheel-thrown wares, chemistry and application of glazes and stacking and firing of kilns.

ART 236. WEAVING (E-2)

3 hours

A design course dealing with the study of weaving techniques and materials. Creative exploration on and off the loom using pattern, color, and texture is stressed.

ART 314. ADVANCED PROJECTS IN ART

3 hours

Students may choose from design, ceramics, sculpture, painting, printmaking, and drawing (student must have had lower division course in his area of choice).

ART 315, 316. ENVIRONMENTAL DESIGN I, II

2,2 hours

Prerequisite: ART 211, 212 (ART 104 for non-majors).

Following Space Planning and Design, this course deals with the interior design of large-scale spaces with emphasis on planning institutional, public, and commercial spaces. The course will lead into actual complete solutions of environmental and interior problems, based on space analysis and planning. The coordination of furnishings and materials, and the application of business ethics and principles will be included.

ART 355. PROFESSIONAL PRACTICE IN INTERIOR DESIGN

3-5 hours

A summer apprenticeship program for actual job experience in a professional interior design firm. This program is for advanced interior design majors who will be selected both by the department and the principal of the interior design firm.

BEHAVIORAL SCIENCE

ART 494. INTERNSHIP IN ART

2-4 hours

An internship program for advanced art majors selected by the department for actual experience on the job with a participating firm — supervised by the Art Department.

ART 499. SENIOR PROJECT

1 hour

Major projects in area of interest for seniors, and preparation of permanent portfolio of college art work.

ART HISTORY

ART 345. HISTORY OF ART (B-4)

3 hours

A study of the arts of western civilization from antiquity to the present with an emphasis on pivotal figures in art history.

ART 346. CONTEMPORARY ART (B-4)

3 hours

Nineteenth and twentieth century developments in European and American arts.

ART 356. FURNITURE AND INTERIORS (B-4)

3 hours

Prerequisite: HMNT 205 or permission of instructor.

Study of furnishings, interiors, and designers, past and present. Evaluation of the economical, social, and technical influences on the evolution of design and the inter-relationship of architectural and furniture styles.

EDUCATION

EDUC 230. ART IN THE ELEMENTARY SCHOOL

3 hours

A study of the aims, philosophy and methods of teaching art on the various levels of the elementary school. Observation and participation in art activities with elementary students will be scheduled.

EDUC 438. METHODS OF TEACHING ART

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

BEHAVIORAL SCIENCE

Gerald Colvin, C. Garland Dulan, Dorcas Ferguson, Edward Lamb

The student of human behavior may span the full scope of endeavor open to mankind—mental, physical, and spiritual. He perceives man as once perfect, but now fallen from his original state. Through experimentation, field study, review, and the aid of the Holy Spirit, the Behavioral Scientist becomes better able to predict and understand individual and group behavior. Always uppermost in his goals is the proper stewardship of the wisdom flowing from the mind of God.

Those who anticipate employment or graduate study in guidance, law, occupational therapy, personnel work, psychology, social work, sociology or anthropology should consider a major in behavioral science.

BEHAVIORAL SCIENCE

Those interested in becoming school counselors or dormitory deans will want to certify in a teaching field and take EDUC 355. Registered nurses should find a major in behavioral science a timely preparation for public health or psychiatric nurses' work. In most cases, to achieve a professional level in these fields the student must seriously consider further preparation at the graduate level.

Major: Forty hours for the Bachelor of Science degree in Behavioral Science with a 21-hour emphasis in Psychology, Social Work, or Sociology, including core department courses PSYC 124, 126, 315; SOCW 221, 222; SOCI 125, 223, 424; and department research course 494. Cognate requirements are six hours in biology and six hours in economics. The Psychology emphasis should include PSYC 224 and 415; the Social Work emphasis should include SOCW 314, 435 (maximum hours); the Sociology emphasis should include SOCI 427. The student contemplating graduate study should take as many hours as possible in the area of his emphasis.

Major: Thirty hours for the Bachelor of Arts in Psychology, including PSYC 124, 126, 127, 224, 315, 415, and 494. Cognate requirements are SOCI 125; BIOL 155, 316; CPTR 125. Both a minor in computer science and courses in intermediate German are highly recommended.

Minor: Behavioral Science. Eighteen hours selected from any Behavioral Science areas and to include PSYC 124 and SOCI 125, with a minimum of six hours of upper biennium work from the department.

Minor: Psychology. Eighteen hours including PSYC 124, 126, 224, and 377, with a minimum of six hours in the upper biennium of Psychology.

Minor: Marriage and Family Relations. Eighteen hours chosen from PSYC 124, 126, 127, 317, and SOCI 125, 223, 375, 424, and 485.

Minor: Sociology. Eighteen hours including SOCI 125, 223, and 424, with a minimum of six hours in the upper biennium of Sociology.

PSYCHOLOGY

PSYC 124. INTRODUCTION TO PSYCHOLOGY (C-2)

3 hours

A beginning course in the basic principles and concepts of psychology. Attention given to the concepts of Christian psychology. Recommended as a preliminary to other courses in the field.

PSYC 126. DEVELOPMENTAL PSYCHOLOGY I (C-2)

2 hours

A basic course in growth and development from conception through adolescence. Emphasis is given to recent research on the prenatal period, the effects of family attitudes during the prenatal and neonatal periods, and on the effect of prolonged stress during pregnancy. Importance of optimum fetal life on later development is stressed. Child observation is part of course requirements.

BEHAVIORAL SCIENCE

PSYC 127. DEVELOPMENTAL PSYCHOLOGY II (C-2)	2 hours
The course closely examines the life stages from youth through old age. Because medical progress has extended human life expectancy, attention is focused upon the psychological influence of home/institution environment on the aging process. Observation for an appropriate stage of development or decline is required.	
PSYC 224. SOCIAL PSYCHOLOGY (C-2)	3 hours
Study of human behavior as affected by group living. Dynamics of groups, social roles, communication, and mass behavior are foci of consideration. Credit applicable for either psychology or sociology emphasis, but not for both.	
PSYC 225. PSYCHOLOGY OF PERSONALITY (C-2)	3 hours
A systematic study of the development, dynamics, and structure of personality. Methodology and theory are studied in relation to personality development.	
PSYC 315. ABNORMAL PSYCHOLOGY (C-2)	3 hours
Prerequisite: PSYC 124 or 126. A study of the etiology of pathological behavior and the factors of good adjustment and mental health.	
PSYC 316. PSYCHOLOGY OF LEARNING AND THE LEARNER (C-2)	3 hours
(See Education Department listings.)	
PSYC 317. THE EXCEPTIONAL INDIVIDUAL (C-2)	2 hours
The etiology of exceptionality. Nature of conditions characterizing the atypical child, touching on a wide variety of disabling conditions and individual adjustment in relation to disability.	
PSYC 377. FUNDAMENTALS OF COUNSELING (C-2)	3 hours
Prerequisite: PSYC 124. This is an introduction to the major theories and practices of individual counseling. The dynamics of the helping relationship are analyzed.	
PSYC 414. GROUP COUNSELING	2 hours
Prerequisite: PSYC 377. Principles and techniques of group counseling. Role of the leader, problems of member selection, and evaluation of progress. Role-playing and/or group counseling involvement is expected.	
PSYC 415. HISTORY AND SYSTEMS OF PSYCHOLOGY	3 hours
Prerequisite: PSYC 124. Philosophical and historical background of psychology leading to a consideration of contemporary schools and systems of psychology.	
PSYC 417. PLAY THERAPY	3 hours
Prerequisite: PSYC 124, 126, 317. This course provides for the development of appreciation, knowledge, and methods in working with children who display behavioral difficulties. Involves child counseling techniques and systematic observation in a therapeutic setting. Two lectures and one laboratory period each week. Practicum project.	
PSYC 434. PSYCHOLOGICAL EVALUATION	3 hours
Prerequisite: PSYC 124, 126. Systematic study of the principles underlying the construction and validation of the major varieties of tests and an introduction to the statistics of test interpreta-	

BEHAVIORAL SCIENCE

tion. Emphasis is given to the utilization of test results in individual guidance and therapeutic settings.

SOCIAL WORK

SOCW 221. SOCIAL WELFARE I (C-2)

3 hours

An introduction to the field of Social Welfare emphasizing its institutional nature. Programs are viewed from both historical and philosophical perspective. The impact of cultural, economic, administrative, political and social forces upon social welfare policies and programs is analyzed.

SOCW 222. SOCIAL WELFARE II

3 hours

Prerequisite: SOCW 221.

Includes models and methodologies of the social work profession. The emergence of specific theories and concepts are considered as they relate to practice development in response to special group needs in our society.

SOCW 314. SOCIAL WORK METHODS

3 hours

Prerequisites: SOCI 125 and SOCW 221, 222.

A course oriented toward problem-solving technologies used in working with individuals, groups and communities. Considers resolving social problems through an effective battery of social welfare activities. Diagnostic assessments of the person-problem-situation, ego supportive procedures, and problem-solving processes are emphasized.

SOCW 375. INTRODUCTION TO MARRIAGE COUNSELING

3 hours

An introduction to the various theoretical orientations of family counseling. The family is viewed as a unit, with focus on programs and intervention techniques designed to maintain and re-establish family equilibrium. Credit applicable for specific emphasis in social work or sociology.

SOCW 435. SOCIAL WORK PRACTICUM

2.8 hours

Prerequisite: SOCW 314.

This course provides opportunity for students to apply the combined techniques of casework, group work, and/or community organization through direct participation in the social service delivery system. Through his participation the student becomes familiar with agency structures, functions and programs. A minimum of 175 hours will be spent working in an agency setting for each four hours of course credit.

SOCW 485. MARRIAGE ENRICHMENT SEMINAR

1 hour

This course designed to help couples cope with crises, communicate more effectively, re-define common values, and create programs for realizing spiritual goals. Credit applicable for specific emphasis in social work or sociology.

SOCIOLOGY

SOCI 125. INTRODUCTION TO SOCIOLOGY (C-2)

3 hours

A scientific approach to the analysis of the social world. Consideration is given to the dynamic nature of social structures and processes. Special emphasis is given to basic terms.

SOCI 223. MARRIAGE AND THE FAMILY (C-2)

2 hours

A course in the ethics of human relationships, including the place of the family in society, and the Christ-centered approach to marital and familial conflicts.

BEHAVIORAL SCIENCE

SOCI 224. SOCIAL PSYCHOLOGY (C-2) (See Psychology area listings.)	3 hours
SOCI 275. SOCIOLOGY OF RELIGION (C-2) Religion as a social institution; its relation to other social institutions; its organizational forms. Attention given to American protestant growth and change. Evangelical and missionary approaches are examined.	2 hours
SOCI 328. THE COMMUNITY Examination of the social structure and interaction patterns of communities, both <i>rural</i> and <i>urban</i> . The history of community development, particularly urbanization and its effect on society.	3 hours
SOCI 356. HISTORY OF AMERICAN MINORITIES (See History Department listings.)	3 hours
SOCI 374. CRIMINOLOGY This course emphasizes the scientific study of crime as a social phenomenon, of criminals, and of penal treatment. The relationship of law and crime to other trends in the social order. Research in prevention and treatment of crime.	3 hours
SOCI 375. INTRODUCTION TO MARRIAGE COUNSELING (See Social Work area listings.)	
SOCI 424. CONTEMPORARY SOCIAL PROBLEMS (C-2) Attention is given to the major forces shaping cultural and subcultural changes today. Changes are particularly viewed as to their effectiveness in bringing about group and mass adjustment.	3 hours
SOCI 425. SOCIAL FOUNDATIONS OF AMERICAN EDUCATION (C-2) (See Education Department listings.)	2 hours
SOCI 427. SOCIOLOGICAL THEORY DEVELOPMENT (C-2) Prerequisite: SOCI 125. This course focuses on the emergence of sociology as a systematic discipline. A critical analysis of sociological theory is made from 1850-1920, including Comte, Tocqueville, Spencer, Marx, Weber, Durkheim, Simmel, and Pareto.	2 hours
SOCI 485. MARRIAGE ENRICHMENT SEMINAR (See Social Work area listings.)	

RESEARCH

RESC 494. RESEARCH METHODS IN BEHAVIORAL SCIENCE Prerequisite: MATH 215 and junior or senior standing. An introduction to common research methods and terms as applied to the behavioral science fields. Student research proposals are required. <i>Credit applicable for specific emphasis in psychology, social work, or sociology.</i>	3 hours
RESC 495. PROJECTS AND TOPICS IN BEHAVIORAL SCIENCE Independent study culminating in term paper or equivalent investment with approved selection. Limited to department majors with senior standing. <i>Credit applicable for specific emphasis in psychology, social work, or sociology.</i>	1-2 hours

BIOLOGY

BIOLOGY

Huldrich H. Kuhlman, Edgar O. Grundset, Duane F. Houck,
David A. Steen

The study of the science of Biology, living plants, animals, and man constitutes one of the most important fields of learning. The aim of the Biology Department is to offer sufficient courses to supply the needs of those students desirous of pre-professional preparation, or of those who elect Biology for informational or cultural background.

Relative to spiritual values the following statement reflects the philosophy of the Biology Department.

All true science is but an interpretation of the handwriting of God in the material world. Science brings from her research only fresh evidence of the wisdom and power of God. Rightly understood, both the book of nature and the written word make us acquainted with God by teaching us something of the wise and beneficent laws through which He works.

— Ellen G. White, *Patriarchs and Prophets*, page 599.

A student majoring in Biology shall plan his entire program with a member of the biology staff, which must then be approved by the departmental staff. After departmental approval each student's program can be considered on an individual basis. The program must meet graduation and general education requirements as outlined elsewhere in this catalog.

Major: Thirty hours for the Bachelor of Arts degree including BIOL 155, 156; 313, 316, 325, 414, 418 or 419, and 485. Up to three hours of CHEM 323 may apply on a major or minor. Cognate requirement: CHEM 151:152. A course in general physics is highly desirable. A minor in chemistry is recommended.

Major: Forty hours for the Bachelor of Science degree including BIOL 125, 126, 155, 156; 313, 315, 316, 325, 414, 415, 418 or 419 and 485. Up to three hours of CHEM 323 may apply on a major. Cognate requirements: CHEM 151: 152; MATH 114 and 215. A course in general physics is highly desirable. A minor chosen from either chemistry, mathematics, or physics is recommended.

Minor: Eighteen hours including BIOL 155, 156 (or equivalent); and 316. A course in physiology is strongly recommended. Up to three hours of CHEM 323 may apply on a minor. A minimum of six hours must be in upper biennium.

BIOL 104. PRINCIPLES OF BIOLOGY (C-1)

3 hours

This is a basic biology course designed to give the non-science student a modern treatment of the fundamental processes and principles of plant and animal life. Two lectures and one laboratory period each week. Does not apply on a major.

BIOLOGY

BIOL 105, 106. ANATOMY AND PHYSIOLOGY (C-1)	3,3 hours
A study of the fundamentals of human anatomy and physiology. Two lectures and one laboratory period each week. Does not apply on a major.	
BIOL 107. NATURAL HISTORY (C-1)	3 hours
For the student whose interest is not primarily in science, but who wishes to understand the realm of living things, especially as these relate to man and his society. Two lectures and one laboratory period each week. Does not apply on a major.	
BIOL 125. MICROBIOLOGY (C-1)	3 hours
A general study of bacteria, viruses, yeasts, molds, and pathogenic protozoa. Special consideration is given to the relationship of micro-organisms to health and disease. Course 125 alone does not apply on a major or minor. Two lectures and one laboratory period each week.	
BIOL 126. MICROBIOLOGY (EXTRA HOUR) (C-1)	1 hour
Prerequisite: Current or previous enrollment in BIOL 125. One class period per week on more advanced topics based on BIOL 125. One hour lecture each week.	
BIOL 155, 156. FOUNDATIONS OF BIOLOGY (C-1)	4,4 hours
This is an introductory course in biology open to all college students. The course is designed to give the non-science student a modern treatment of the fundamental processes of plant and animal life as well as provide a satisfactory basis upon which a biology major may build. Three lectures and one laboratory period each week.	
BIOL 205. HUMAN BIOLOGY (C-1)	3 hours
The development, structure, and function related to everyday living. The course is designed to apply on the basic science requirement for non-science students. A student may not receive credit for both BIOL 105, 106 and 205. Does not apply on a major. Three lectures each week.	
BIOL 215. MYCOLOGY	3 hours
Prerequisite: BIOL 104 or 125 or 155 or equivalent. A study of the fungi with emphasis on mushrooms, molds, yeasts and related diseases on plants. Two lectures and one laboratory each week.	
BIOL 226. ENVIRONMENTAL & CURRENT BIOLOGY (C-1)	3 hours
A course dealing with the biological aspects and current problems of today's polluted and changing environment. Three lectures each week.	
BIOL 313. GENERAL EMBRYOLOGY	3 hours
Prerequisite: BIOL 155, 156 or consent of instructor. An introduction to the development of the vertebrate animal with emphasis on the development of the chick. Two lectures and one laboratory period each week.	
BIOL 314. ORNITHOLOGY (C-1)	3 hours
Prerequisite: BIOL 104, 107, or 156 or consent of instructor. A systematic study of bird life with special emphasis on external features. Taxonomy, nesting, and feeding habits, flight and migratory patterns. Two lectures and one laboratory period each week. An extended field trip, which applies toward laboratory credit, is planned during spring vacation.	
BIOL 315. PARASITOLOGY (C-1)	3 hours
Prerequisite: BIOL 156 or consent of instructor. A general survey of the more important parasites of man and domestic animals. Two lectures and one laboratory period each week.	

BIOLOGY

BIOL 316. GENETICS (C-1)

3 hours

Prerequisite: BIOL 104 or 107 or 155 or consent of instructor.

A study of heredity as related to man and domestic plants and animals. Two lectures and one laboratory period each week.

BIOL 317. GENERAL ECOLOGY (C-1)

3 hours

Prerequisite: BIOL 104 or 156 or consent of instructor.

A study of plants and animals in relation to their environment. Two lectures and one laboratory period each week.

***BIOL 318. ICHTHYOLOGY**

3 hours

Prerequisite: BIOL 155, 156 or consent of instructor.

A systematic study of the fishes found in the local area, with a survey of the fishes of other waters. Two lectures and one laboratory period each week. Taught in alternate years.

BIOL 319. HERPETOLOGY

3 hours

Prerequisite: BIOL 155, 156 or consent of instructor.

A systematic study of amphibians and reptiles of the local area, with a survey of amphibians and reptiles of other areas. Two lectures and one laboratory period each week. Taught in alternate years.

BIOL 325. PHILOSOPHY OF SCIENCE (C-1)

3 hours

Survey of the theories of origins, the extent of variations among animals today; special attention to the factual basis for the theories of special creation and evolution. Three lectures each week.

BIOL 414. SYSTEMATIC BOTANY (C-1)

3 hours

Prerequisite: BIOL 104 or 107 or consent of instructor.

A taxonomic study of the local flowering plants. Two lectures and one laboratory period each week.

BIOL 415. COMPARATIVE ANATOMY

3 hours

Prerequisite: BIOL 155, 156 or consent of instructor.

A comparison of the anatomy of the various organ systems of vertebrates. The dogfish, shark, mud puppy, cat, and/or fetal pig are used for laboratory study. Two lectures and one laboratory period each week.

BIOL 416. ENTOMOLOGY (C-1)

3 hours

Prerequisite: BIOL 104 or 107 or 156 or consent of instructor.

An introductory study of the fundamental aspects of insect biology. Two lectures and one laboratory period each week. Taught upon demand during summer session.

BIOL 417. ANIMAL HISTOLOGY

3 hours

Prerequisite: BIOL 155, 156 or consent of instructor.

A descriptive study of normal tissues, including those of man. The microscopic identification and characteristics of stained section is emphasized in the laboratory. One lecture, two laboratory periods each week. Taught in alternate years.

BIOL 418. ANIMAL PHYSIOLOGY

3 hours

Prerequisites: BIOL 106 or 156 or equivalent, and CHEM 151:152 or equivalent.

A study of the principles of animal function with special attention to man. Two lectures and one laboratory period each week.

BIOL 419. PLANT PHYSIOLOGY

3 hours

Prerequisite: BIOL 155, 156; CHEM 151:152 or consent of instructor.

A study of the functions of plant organs. Topics covered include water relations,

BUSINESS ADMINISTRATION

mineral nutrition, photosynthesis, transpiration, translocation, respiration and growth. Two lectures and one laboratory period each week. Taught in alternate years.

BIOL 485. BIOLOGY SEMINAR

1 hour

Open to Biology majors or minors only, or approval of Biology staff.

Reports are made on some specific problem in the field of Biology and on current literature in the field. To be taken in the senior year or with approval of department chairman.

BIOL 495. SELECTED TOPICS

1-3 hours

Designed for the student who wishes to do private study or research; or for a group of students who wish a special course not listed in the regular offerings. Examples: mammalogy, economic botany, cryptogamic botany, etc. Content and method of study must be arranged for prior to registration.

EDUCATION

EDUC 438. METHODS OF TEACHING BIOLOGY

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the second semester during the senior year.

BUSINESS ADMINISTRATION

Wayne VandeVere, Cecil Rolfe, Jan Rushing

Major: Business Administration: Forty-five hours for the Bachelor of Science degree with an emphasis in either accounting or management. Required core: ACCT 121:122; 211:212; ECON 224, 225; BUAD 315; 337, 338; and 488. Accounting emphasis: ACCT 318 plus 12 additional hours, nine of which must be in accounting. Management emphasis: BUAD 326, 334, 414 plus seven additional hours in accounting, business or economics. Cognate requirements: MATH 105, 215; Computer Science, 3 hours; SECR 315 and typing proficiency (SECR 105, one year high school typing, or pass a 35 wpm speed test).

Students preparing for the C.P.A. examinations are advised to take ACCT 418, 419—C.P.A. Review Problems. Bachelor of Science degrees in business administration and accounting do not require a minor. However, a minor in mathematics or computer science is highly recommended.

Minor—Business Administration: Eighteen hours including courses ACCT 121:122; ECON 224, 225 and six hours of upper biennium from courses listed as accounting or general business.

ASSOCIATE OF SCIENCE DEGREE IN BUSINESS

Two-year, 64-semester hour curriculum designed to prepare the student for general business—accounting office work where the bachelor's degree is not required. The emphasis is on accounting and related fields.

BUSINESS ADMINISTRATION

Upon completion of this two-year program the student may continue on a four-year bachelor's degree program in accounting or management, normally completing the requirements in two additional years. The requirements are as follows: ACCT 121:122, 211:212, 318; BUAD 128, 337; ECON 224, six hours of business electives. Cognates: Computer Science, three hours; typing proficiency.

ACCOUNTING

ACCT 121:122. PRINCIPLES OF ACCOUNTING (E-1)	3,3 hours
A course in the fundamentals of accounting theory. A two-hour study lab will be provided.	
ACCT 211:212. INTERMEDIATE ACCOUNTING	3,3 hours
Prerequisite: ACCT 121:122.	
Accounting principles and theory. Preparation of statements. Intensive study and analysis of the classification and evaluation of balance sheet accounts.	
ACCT 317. FEDERAL INCOME TAXES (E-1)	3 hours
Prerequisite: ACCT 121:122.	
This course of study is designed to provide a comprehensive explanation of the Federal Tax structure, and to provide training in the application of the tax principles to specific problems. The attention of the student is directed mainly to those taxes applicable to the Federal Government, which includes the Income Tax, Social Security, Estate and Gift Tax. Mention is made of state and local taxes applicable to the State of Tennessee.	
ACCT 318. COST ACCOUNTING	4 hours
Prerequisite: ACCT 211.	
The general principles of job order and process cost accounting, including the control of burden. This course is taught in alternate years.	
ACCT 415. ADVANCED ACCOUNTING	4 hours
Prerequisite: ACCT 211:212.	
Consideration of problems concerned with consolidated financial statements, partnerships, businesses in financial difficulty, estates and trusts.	
*ACCT 417. AUDITING	4 hours
Prerequisite: ACCT 211:212.	
Accepted standards and procedures applicable to auditing and related types of public accounting work. This course is taught in alternate years.	
ACCT 418, 419. C.P.A. REVIEW PROBLEMS	3,3 hours
Prerequisite: By permission of instructor.	
Includes a study of accounting theory as exemplified by the accounting research bulletins of the American Institute of Certified Public Accountants.	

ECONOMICS

ECON 224, 225. PRINCIPLES OF ECONOMICS (C-2)	3,3 hours
A survey course in the fundamentals of economics; the institutions, forces, and factors affecting production, evaluation, exchange, and distribution of wealth in modern society.	

BUSINESS ADMINISTRATION

ECON 314. MONEY AND BANKING

3 hours

Prerequisite: ECON 224, 225.

Mediums of exchange, money and credit, banks and their services, the Federal Reserve System, and other financial institutions are considered. This course is taught in alternate years.

***ECON 324. COMPARATIVE ECONOMIC SYSTEMS (C-2)**

3 hours

A study of the characteristics and functions of economic systems. Analysis of alternative patterns of economic control, planning and market structure. Consideration of their theories and philosophies. This course is taught in alternate years.

***ECON 424. MANAGERIAL ECONOMICS**

3 hours

The examination of the economic environment within which the business firm makes the decisions, and the application of principles and theories of economics in managerial decision making.

BUSINESS ADMINISTRATION

BUAD 128. INTRODUCTION TO BUSINESS (C-2)

3 hours

An introductory course to give familiarity with economic concepts, business practices, and business terminology.

BUAD 253. REAL ESTATE FUNDAMENTALS

3 hours

BUAD 315. BUSINESS FINANCE

3 hours

Prerequisite: ACCT 211:212.

A study of the fundamental principles of financial organization. Emphasis on instruments of finance, policies of capitalization, problems pertaining to working capital, and corporate expansion and reorganization.

BUAD 326. MARKETING

3 hours

A study of the nature and functions of marketing. Includes marketing institutions, basic problems in the marketing of commodities and services, price policies, and competitive practices.

BUAD 334. PRINCIPLES OF ORGANIZATION AND MANAGEMENT

3 hours

An analysis of business policies viewed from the standpoint of the functional characteristics of management processes and current ethics.

BUAD 337, 338. BUSINESS LAW (C-2)

3,3 hours

The nature and social functions of law; social control through law; the law of commercial transactions and business organization.

BUAD 344. PERSONNEL ADMINISTRATION

3 hours

An introduction to the organization, training, motivation, and direction of employees with a view to maintaining their productivity and morale at high levels. Among topics covered are: selection, training, compensation and financial incentives, work standards, techniques of supervision and leadership. This course is taught in alternate years.

BUAD 347. BUSINESS AND GOVERNMENT

3 hours

A study of the ways in which business and economic life are shaped and directed by government. The legal framework within which business is conducted and the evolution of public policy toward business are examined.

BUAD 414. ADVANCED MANAGEMENT

3 hours

Prerequisite: BUAD 334.

This course of study is designed to give the student experience in decision-making and problem solving through the case method. The attention of the student is

CHEMISTRY

directed to defining, analyzing and proposing alternative solutions to business problems from management's viewpoint.

BUAD 425. INVESTMENT ANALYSIS

3 hours

A practical, as well as a theoretical, approach is taken for the potential investor of institutional or personal funds through the use of problems, readings, and cases. Topics covered will include stocks and bonds in the security market, real estate, and fixed equipment investments.

BUAD 488. SEMINAR IN BUSINESS ADMINISTRATION

2 hours

This course will include the Eugene Anderson Lecture Series in business. Top men in their field will present lectures in insurance, real estate, finance, retailing, production management, etc. Ten lectures and two testing sessions will be required. This course may be repeated for credit.

BUAD 499. BUSINESS ADMINISTRATION PROBLEMS

1-2 hours

Individual research work open only to business majors. Content to be arranged. Approval must be secured from department head prior to registration.

EDUCATION

EDUC 438. METHODS OF TEACHING BUSINESS

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

CHEMISTRY

Mitchel Thiel, Paul Gebert

Major: Thirty hours for the Bachelor of Arts degree, including CHEM 151:152, 311:312, 313:314, 315:316, 485. The first course in Calculus is a cognate requirement.

Forty hours for the Bachelor of Science degree with a major in Chemistry including CHEM 151:152, 311:312, 313:314, 315:316, 321, 325, 411, 412, 413, 414, 485, and 495 are required. Cognate requirements are General Physics and a full year of Calculus. German or French is highly recommended. This course of study is designed for the professional chemist.

One of the following may be applied on the major for either the B.A. or the B.S.: an upper biennium physics course (except PHYS 315), a computer programming course, or PHYS 218.

General Education Requirements: The general education requirements for the above programs are listed elsewhere in this catalog.

Minor: Eighteen hours, six of which must be upper biennium.

CHEM 101:102. SURVEY OF CHEMISTRY (C-1)

3,3 hours

A survey course designed to familiarize the student with the basic principles of chemistry. Attention is given particularly to solutions, chemistry of nutrition, digestion, and metabolism. Of special interest to students in the paramedical fields. First semester three lectures each week; second semester, two lectures, three hours laboratory each week. Does not apply toward a major.

CHEMISTRY

CHEM 103. PRE-GENERAL CHEMISTRY

2 hours

Basic concepts in chemistry and mathematics as needed to begin General Chemistry. Two hours of lecture each week. Does not apply on a minor or major. Taught second semester only.

CHEM 104. CHEMISTRY OF INDUSTRIAL PROCESSES (C-1)

3 hours

An introduction to the elementary chemistry of industrial processes and the physical principles which govern them. Fuels, lubricants, paints, plastics, refrigerants, adhesives, photochemicals, graphic materials, and the crystal structure of metal will be among the topics covered. Two hours lecture and three hours laboratory each week. Taught in alternate years. Does not apply toward a major or minor.

CHEM 105. PHYSICAL SCIENCE (C-1)

3 hours

A non-mathematical and qualitative study of astronomy, geology, and meteorology through which a non-science major will be introduced into the attitudes and methods of science. Meets General Education Requirements for Science. Special consideration will be given to current scientific theory and its relationship to the Adventist philosophy. Does not apply on major or minor.

CHEM 106. CHEMISTRY OF ART MATERIALS (C-1)

3 hours

An introduction to the elementary chemistry of art materials and the physical principles which govern their use. Pigments, dyes, paints, plastics, ceramics, and glazes will be among the topics covered. Some material on the physical tests to detect art forgery will also be covered. Two hours lecture and three hours laboratory each week. Taught in alternate years. Does not apply toward a major or minor.

CHEM 151:152. GENERAL CHEMISTRY (C-1)

4,4 hours

Prerequisites: High school chemistry and mathematics through Intermediate Algebra or Pre-General Chemistry.

An introduction to the fundamental laws and accepted theories along with applications to the various fields of chemistry. Three hours lecture and three hours laboratory each week.

CHEM 204. LABORATORY GLASS BLOWING

1 or 2 hours

Training is given in the manipulation of glass for the fabrication of laboratory apparatus. Three or six hours laboratory each week. This course does not count on basic science requirements nor on the minor.

CHEM 311:312. ORGANIC CHEMISTRY

3,3 hours

Prerequisite: CHEM 151:152 or its equivalent.

A study of the aliphatic and aromatic compounds of carbon and their reactions. The laboratory work includes typical syntheses of various compounds. Three hours lecture, three hours laboratory, each week.

CHEM 313:314. ORGANIC CHEMISTRY LABORATORY

1,1 hours

CHEM 315:316. QUANTITATIVE ANALYSIS

3,3 hours

Prerequisite: CHEM 151:152.

A study of equilibria as it applies to quantitative analysis. Techniques of determinations, sampling, handling of data and the detailed chemistry involved is studied in terms of quantitative determinations. Two hours lecture, three hours laboratory each week.

CHEM 321. INSTRUMENTAL ANALYSIS

4 hours

Prerequisite: CHEM 315.

A study of the theories, techniques and instruments involved in spectrometry, chromatography, electrochemistry and radiochemistry. Three lectures and one laboratory session per week. Taught in even years on sufficient demand.

CHEMISTRY

CHEM 323. BIOCHEMISTRY	4 hours
Prerequisite: CHEM 151:152 or its equivalent.	
The materials, mechanisms, and end-products of the processes of life under normal and pathological conditions are studied. Four hours lecture, three hours laboratory, each week.	
CHEM 324. BIOCHEMISTRY LABORATORY	1 hour
CHEM 325. ORGANIC QUALITATIVE ANALYSIS	2 or 3 hours
Prerequisite: CHEM 311:312; 313:314.	
Application of solubility principles, classification reactions and the preparation of derivatives for the identification of both pure compounds and mixtures. Two hours of lecture for nine weeks, and three or six hours of laboratory each week. Offered on sufficient demand.	
CHEM 333. ADVANCED INORGANIC CHEMISTRY	3 hours
Prerequisite: CHEM 151:152.	
A systematic discussion of the elements including a study of coordination compounds, noble gases, and the current bonding theories. Three hours of lecture a week.	
CHEM 411. PHYSICAL CHEMISTRY	3 hours
Prerequisites: CHEM 151:152, PHYS 211:212, MATH 217.	
A study of gases, kinetic theory, liquids, solids and thermodynamics. Three hours lecture each week. Taught alternate years.	
CHEM 412. PHYSICAL CHEMISTRY	3 hours
Prerequisite: CHEM 411.	
A study of electrochemistry and conductivity, reaction kinetics, molecular structure, nuclear chemistry, adsorption and colloids. Three hours lecture each week. Taught alternate years.	
CHEM 413, 414. PHYSICAL CHEMISTRY LABORATORY	1,1 hours
Prerequisites: CHEM 315, also CHEM 411, 412 must be taken concurrently or previously. Experiments chosen to illustrate material in CHEM 411, 412. One laboratory period each week.	
CHEM 485. CHEMISTRY SEMINAR	1 hour
Written and oral reports are made on specific topics in the chemistry field. To be taken in the junior or senior year.	
CHEM 495. INTRODUCTION TO RESEARCH	1 to 2 hours
Prerequisite: 20 hours of chemistry, or permission of the instructor.	
Individual research under the direction of the members of the staff. Problems are assigned according to the experience and interest of the student. Prior to registration, two semesters before graduation, students are urged to contact all chemistry staff members with respect to choice of available problems. Should be taken not later than the first semester of the senior year.	
CHEM 497. SELECTED TOPICS	1-3 hours
Prerequisite: CHEM 151:152.	
Designed for junior and senior students who wish to do private study or for a group of students who wish a special course on topics not taught under the regular class offerings.	

COMMUNICATION

EDUCATION

EDUC 438. METHODS OF TEACHING CHEMISTRY

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the second semester during the senior year.

COMMUNICATION

Donald Dick, Frances Andrews, James C. Hannum, Jerry M. Lien

Major: Thirty hours for the Bachelor of Arts degree including (a) basic requirements of CMME 124, 224, 325; JOUR 111, 424; SPCH 135, 324 and (b) 15 hours in Communication Media, Journalism, or Speech emphasis:

Communication Media Emphasis—CMME 125, 225, 313 and 314 plus 5 hours elected within the overall departmental offerings, 2 of which must be in Communication Media.

Journalism Emphasis—JOUR 112, 316, 494, and CMME 225; plus 6 hours elected within the overall departmental offerings, 3 of which must be in Journalism.

Speech Emphasis—SPCH 236, 237, 317 and 415 or 416 plus 5 hours elected within the overall departmental offerings.

Cognate requirements include: INDS 145 and ENGL 101:102.

Minor—Communication: Eighteen hours from within the departmental offerings including SPCH 135, 324; JOUR 111; CMME 124, 224, 325, with a minimum of six hours of upper biennium work from overall departmental offerings.

Minor—Communication Media: Eighteen hours from within departmental offerings including CMME 124, 224, 313, and SPCH 324, with a minimum of six hours within the minor to be upper biennium in Communication Media.

Minor—Journalism: Eighteen hours including JOUR 111, 112, 424, and CMME 325, with a minimum of six hours in the upper biennium in Journalism.

Minor—Speech: Eighteen hours including SPCH 135, 236, 237, 317, and 324, with a minimum of six hours in the upper biennium in Speech.

ASSOCIATE OF SCIENCE DEGREE IN MEDIA TECHNOLOGY

Two-year curriculum especially designed for the technically oriented student interested primarily in the technical and production aspects of media. Students completing this degree can continue and complete a B.A.

COMMUNICATION

degree in communication (media emphasis) without loss of educational time.

Requirements are as follows: 31 hours including CMME 124, 125, 137, 225, 313, 318, 331, 499, INDS 145, INDS 274 or PHYS 316, CPTR 125, LIBR 333, with general education courses to meet catalog requirements and sufficient electives to make a total of 64 semester hours.

RADIO STATION

Communication students at Southern Missionary College have opportunities for realistic learning experiences in connection with the college's educational radio station, WSMC-FM.

WSMC-FM is a 100,000 watt, stereo, non-commercial educational radio station, operated by the Communication Department.

The studios of WSMC-FM are located in Lynn Wood Hall. With two control rooms, studios, record library, and offices, the station is adequate for diversified radio programming and production.

The Harris 20-kilowatt transmitter and the 200-foot tower carrying the ten bay circularly polarized antenna system are located on White Oak Mountain some three miles south of the campus. The range of the station signal varies from a rough circle of seventy miles to thrusts up to two hundred miles in directions particularly favorable to transmission.

Communication students who include Communication Media courses in their preparation are encouraged to participate in the many aspects of the total program of WSMC-FM.

COLLEGE PUBLICATIONS

The journalistic output of the Public Relations office of the college, the editing of the Associated Press teletype news service for WSMC-FM, and the Student Association publications—*Campus Accent*, *Southern Accent*, *Southern Memories*, and *Joker* all provide students with varied opportunities to put journalistic principles into practice.

INTERNSHIPS IN JOURNALISM, PUBLIC RELATIONS, AND BROADCASTING

A program of journalism and public relations internships for selected communication majors has been developed. This program (which has been approved by the General Conference of Seventh-day Adventists) calls for an internee to associate with a publishing house, a newspaper, an educational or medical institution, for an arranged period, working directly with the institution in its editing, publishing, or public relations activities. A scholarship is provided for the internee and a proportionate amount of academic credit is available under the supervision of the Communication Department of the college in JOUR 499.

A program of broadcasting and audio-visual media internships are also available. This program calls for an internee to associate with a commercial or non-commercial broadcasting organization for an arranged period, working directly with the professional broadcasters in various

COMMUNICATION

phases of radio or TV station operation or production. A scholarship is provided for the internee and a proportionate amount of academic credit is available under the supervision of the Communication Department in CMME 499.

COMMUNICATION MEDIA

CMME 124. AUDIO PRODUCTION I	1 hour
Operation of mixing consoles, tape recorders, turntables, patch panels, microphones, tape editing, etc., for various types of audio production. Meets two hours each week for lecture and demonstration during the first half of each semester. Reservations for individual control room practice and production time made at registration.	
CMME 125. AUDIO PRODUCTION II	1 hour
Prerequisite: CMME 124 (follows CMME 124 second nine weeks of each semester). Interpreting the audio script, production music, sound effects, directing audio projects, quality control, equalization, special effects, etc. Meets two hours weekly for lecture and demonstration during second half of semester. Individual studio production time arranged.	
CMME 137. RADIO STATION OPERATIONS	2 hours
Prerequisite or concurrent registration in CMME 124. A laboratory course where the student becomes familiar with the day to day operations of an educational radio station. The course covers FCC third class radio telephone license, control room procedures, announcing, production, automation, teletype, copyediting, traffic, music programming, etc. Taught in conjunction with WSMC-FM. One hour lecture and three hours laboratory each week.	
CMME 224. SURVEY OF RADIO AND TELEVISION	2 hours
A survey of radio and TV media in the United States. History, regulation, stations, networks, program formats, effects on society, advertising agencies, economics, research, other national systems, etc.	
CMME 225. PHOTOGRAPHY IN COMMUNICATION (E-2)	3 hours
Introduction to photography. Experience in taking, developing, and printing pictures and preparing them for submission to editors. Two hours lecture, three hours laboratory each week. Supply fee of \$35.	
CMME 313. TELEVISION PRODUCTION	3 hours
Prerequisite: CMME 124 or permission of instructor. Camera, switcher, special effects generator, and videotape recorder operation. Elementary TV lighting, scripting, production and direction. Study of TV graphics, picture composition, and storyboard preparation. Two hours lecture and three hours laboratory each week.	
CMME 314. WRITING FOR RADIO/TV/FILM	3 hours
Prerequisites: CMME 124, 125 and 313. Fundamentals of script preparation for commercial, public service, dramatic, documentary and other formats for broadcasting and film production. This course taught in alternate years. This course may apply to the journalism emphasis.	
CMME 318. AUDIO-VIDEO SYSTEMS	3 hours
Prerequisite: CMME 124 and an elementary knowledge of electronics (PHYS 316 or INDS 274 recommended). The design, interfacing, installation and maintenance of audio-video systems, com-	

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ponents and studios for broadcast, recording, closed circuit, public address, and similar applications.

CMME 325. SURVEY OF MASS COMMUNICATION

2 hours

A study of the communication process in professional journalism and in the mass communication industries of modern society, with special consideration of the Christian segment of society, both as consumers and dispensers of information.

CMME 331. FILM PRODUCTION (E-2)

3 hours

The technique of communication and self expression through the motion picture medium. Lecture, readings, film viewing critique, and individual production using super 8mm. All equipment is supplied by SMC. The student is charged a supplies fee of \$35 for film and processing. One hour lecture and two hours of laboratory each week. No previous knowledge of media or photography required.

CMME 414. BROADCAST PROGRAMMING AND MANAGEMENT

3 hours

Prerequisite: CMME 137 or permission of instructor.

Study of market analysis, broadcasting formats, steps in establishment of broadcast stations, and station management. This course taught in alternate years.

CMME 499. SPECIAL PROJECTS IN COMMUNICATION

1-2 hours

(See Journalism area listings.)

JOURNALISM**

JOUR 111. NEWS REPORTING (D-1)

3 hours

Prerequisite: ACT English score of 25 or ENGL 101.

Practice in newswriting and general reporting of church, school and community affairs for the public press. Study is given to the duties of the reporter in newsgathering and to his relationship to editorial requirements. Offered each semester.

JOUR 112. NEWS EDITING

2 hours

Prerequisite: JOUR 111.

Instruction is given in copyediting, headline writing, layout, and other editorial responsibilities through the various phases of newspaper production from copy to final print form. One lecture, three hours lab per week.

JOUR 315. EDITING AND PRODUCTION OF PUBLICATIONS

3 hours

Prerequisite: IND 145.

Editorial techniques and problems from the arrival of the manuscript in the editor's office until the publication reaches the reader. Relationships with authors, manuscript handling, payment, layout and illustrations; relationships with art, composing, proofreading, and press rooms; circulation and distribution problems as they affect the editor. This course is taught in alternate years.

JOUR 316. ARTICLE WRITING (D-1)

3 hours

Prerequisite: ACT English score of 25 or ENGL 101.

Preparation and marketing of feature articles for newspapers and magazines; market analysis; writing for specialized markets.

JOUR 424. PUBLIC RELATIONS

3 hours

Designed to give professional competence in the theory and practice of public relations, the course is a study of the plans and methods of disseminating news from business establishments and from institutions through all the media of communication.

COMMUNICATION

JOUR 425. PUBLIC RELATIONS CAMPAIGNS 3 hours
A study of successful public relations campaigns, analyzing plans, methods, and materials used. Emphasis is put on development programs for all types of institutions.

JOUR 494. READINGS IN THE HISTORY OF JOURNALISM 1 hour
Readings selected by the student under the direction of the instructor from the history of journalism as well as current periodicals.

JOUR 499. SPECIAL PROJECTS IN COMMUNICATION 1-2 hours
Prerequisites: Basic courses and written approval of chairman of the department. Special projects in various aspects of communication. Proposals should be submitted to the chairman of the department for approval before registering. Course may be repeated. Up to four hours may apply on a Communication major or minor. Special project may include, among other options, an internship in public relations, journalism, or communication media areas.

**As a prerequisite to all Journalism courses, it is necessary that the student have a competency in typewriting adequate to the demands of the course. The instructor in the course will indicate the level of these requirements. If a student has not had adequate typewriting instruction, he will be required to enroll in the Beginning Typewriting course in the Office Administration Department.

SPEECH

SPCH 135. INTRODUCTION TO PUBLIC SPEAKING (D-2) 2 hours
Establishment of a basic approach to speech, an elementary survey of the area, and an opportunity to develop speaking ability in various speech situations.

SPCH 136. INTERPERSONAL COMMUNICATION (D-2) 2 hours
Prerequisite: Approval of advisor.
Focuses upon human interaction, one-to-one communication rather than platform speaking. This course is designed to enable students to develop through the process of experiencing rewarding interpersonal relationships through theory and practice.

SPCH 236. ORAL INTERPRETATION (D-2) 2 hours
Theory and practice in the art of conveying to others the full meaning of selected readings in literature.

SPCH 237. VOICE AND DICTION (D-2) 2 hours
An introductory study of the speech mechanism and the improvement of its functioning, with special attention to individual problems.

SPCH 317. PERSUASION 3 hours
Prerequisite: SPCH 135 or permission of instructor.
A study and development of the art of discovering all the available means of persuasion in a variety of communication situations, both religious and secular.

SPCH 324. COMMUNICATION THEORY 2 hours
Introducing the processes and effects of communication, this course gives attention to models of communication, to the psychology, sociology and semantics of the communication process.

SPCH 415. DISCUSSION AND LEADERSHIP 3 hours
Prerequisites: SPCH 135 or 136 or permission of instructor.
Analysis of the role and types of discussion used in solving problems and gathering information, along with a study of the dimensions of leadership and the basic

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principles of parliamentary procedure. Emphasis given to the practical application of discussion and leadership skills essential for modern society and the church. This course taught in alternate years.

SPCH 416. ARGUMENTATION AND DEBATE

3 hours

Prerequisite: SPCH 135 or permission of instructor.

Introduction to basic forms of logic and argument together with opportunity to apply the principles of argumentation in the debate situation. Emphasis on construction and delivery of clear, well-supported argument.

EDUCATION

Stuart Berkeley, Thelma Cushman, Charles Davis, Robert Francis, Robert Garren, Floyd Greenleaf, Lawrence Hanson, Kenneth Kennedy, Delmar Lovejoy, Wilma McClarty, Robert Morrison, LaVeta Payne, Marvin Robertson, Richard Stanley, Drew Turlington, Toini Walden

SUPERVISORY INSTRUCTORS—SECONDARY

Ronald Barrow	Orlo Gilbert	Charles Rennard
Roy Battle	Robert Greve	Charles Robertson
William Cemer	Barbara Harsamy	Jean Robertson
Don Crook	David Knecht	Kermise Rowe
Sylvia Crook	Harold Kuebler	Charles Swinson
Robert Davidson	Roger Miller	Velma Woodruff
Joyce Dick	Charles Read	

SUPERVISORY INSTRUCTORS—ELEMENTARY

Weston Babbitt	Margaret Halverson	Elaine Robinson
Richard Christoph	Howard Kennedy	Thyra Sloan
Calvin Fox	Jerry Linderman	Barbara Stanaway
Frances Fox	Joan Linebaugh	Gordon Swanson
June Gorman	Geraldine Miller	Dianne Tenant

The Department of Education offers courses leading to the Associate of Science in Preschool Education, the Bachelor of Science in Early Childhood Education and the Bachelor of Science in Elementary Education with an optional endorsement for kindergarten teaching.

Furthermore, in cooperation with other departments, the following secondary certification programs are available: Art, Bible, Business (Office Administration), English, Foreign Languages, Health and Physical Education, History, Home Economics, Industrial Arts, Mathematics, Music and Science (Biology, Chemistry and Physics).

Tennessee endorsement for School Librarian is available to all certified teachers.

ACCREDITATION

SMC's programs in Teacher Education are approved by the Tennessee State Board of Education, the Department of Education of the Gen-

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eral Conference of Seventh-day Adventists, the American Association of Colleges for Teacher Education, and by the National Council for Accreditation of Teacher Education (NCATE).

SMC's Teacher Education programs prepare the individual for certification to teach in North American Adventist schools and public schools. Each student will be responsible to determine the additional courses that may be required for certification in any state not on the NCATE approved list. This information can be obtained at the Office of Admissions and Records or the Department of Education.

Application for state and denominational certification is made through the Teacher Certification Office.

DEPARTMENTAL AIMS

Courses in education are offered to provide the necessary professional preparation to meet certification requirements for public and church related elementary and secondary school teaching, to afford a general understanding of the school as a social institution for those entering services other than teaching, and to serve as prerequisites to graduate programs.

DEPARTMENT ADMISSIONS

The teacher education programs are founded upon a liberal arts demand for breadth and depth of knowledge and experience, and on the idea that a teacher should be a good example in health, intellect, and character.

A student who wishes to be admitted to the teacher education program must file a formal application with the Department of Education prior to the end of his sophomore year. Upper class transfer students must file application the first semester in residence. The applicant must show a 2.0 average for all courses taken during the first two years, demonstrate competence in basic English communication skills, and show evidence of physical, moral, and mental fitness, emotional maturity, and professional commitment.

The Teacher Education Council will admit competent individuals to take professional courses in education, and recommend them for certification and graduation. Professional education courses include all courses listed under Education and the following from the area of Behavioral Science: PSYC 126, 127, 317, 377, 434.

The criteria for admission to teacher education, outlines of teaching majors in secondary education and policies and procedures related to student teaching, may be obtained from the Department of Education.

Elementary majors and candidates for secondary certification are required to attend three approved professional meetings each semester. Failure to meet this requirement will result in probationary status in the Department. Students taking the teacher education curriculum are affiliated with the Student Education Association.

EDUCATION

THE PROFESSIONAL SEMESTER

The elementary and secondary education student should reserve one semester in his senior year for student teaching and other professional education courses. Students engaged in the professional semester should *not* plan to take additional course work. The Department will endeavor to provide the opportunity for elementary and secondary student teachers to teach in off-campus student teaching centers. An application for admission into student teaching must be filed with the Department of Education at the beginning of the semester prior to the professional semester.

Elementary Education

Educ. 435 Materials and Methods	3 sem. hrs.
Educ. 436 Materials and Methods	3 sem. hrs.
Educ. 425 Social Foundations of American Education	2 sem. hrs.
Educ. 417 Student Teaching	8 sem. hrs.

Total 16 sem. hrs.

Secondary Education

Educ. 437 Curriculum and General Methods	3 sem. hrs.
Educ. 438 Special Methods 7-12	2 sem. hrs.

First Semester:

Home Economics
Industrial Education
Modern Language
Music
Business & Office Administration
Physical Education

Second Semester:

Art
Bible
English
History
Math
Science

Educ. 418 Student Teaching	6 sem. hrs.
Educ. 316 Psychology of Learning and the Learner	3 sem. hrs.
Educ. 425 Social Foundations of American Education	2 sem. hrs.

Total 16 sem. hrs.

MAJOR—ELEMENTARY EDUCATION

A. Professional Core Requirement: Thirty-nine hours for the Bachelor of Science degree including EDUC 124, 125, 230, 231, 240, 316, 332, 334, 417, 425, 435, 436. Required cognates: PSYC 124, GEOG 204, and PETH 463.

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B. Subject Matter Requirements:

1. The Elementary Education student may elect to take a composite major consisting of a minimum of 15 hours in each of four teaching fields; or,
2. The Elementary Education student may elect to take a major and a minor in teaching fields represented in the elementary school curriculum. He should enlist the assistance of the chairman of the Department of Education early in his freshman year to work out his program of studies.

C. General Education Requirements: The General Education requirements must include the following areas and courses:

Man's God	12 hours
Man's Culture (including Literature and HIST 154, 155, or 355 and 357)	15 hours
Man's Environment (including Science 12 hours with at least two areas and two labs represented; MATH 204, HLED 173 and 203; and SOCI 125 and 223)	22 hours
Man's Communication	9 hours
Man's Labor and Recreation (including LIBR 325; PEAC 2 hours; and area elective 2 hours)	7 hours

D. Grade Point Average: An overall grade point average of 2.00 is required, with a 2.25 grade point average in the professional core subjects and teaching fields before the professional semester.

E. Endorsements—Elementary Education Majors:

Kindergarten: Students desiring a kindergarten endorsement must include in their program of studies EDUC 226, 416 and PSYC 126.

F. Endorsements—Elementary and Secondary Teachers:

School Librarian: Students certifying in elementary or secondary education may receive the School Librarian Tennessee endorsement by including in their program of studies 18 hours of Library Science, LIBR 125, 126, 225, 325, 333, 416, 425.

MAJOR—EARLY CHILDHOOD EDUCATION

The program is designed to prepare teachers and other professional personnel for elementary, kindergarten and nursery schools. In addition to the broad spectrum of courses in general education, child development, nutrition, methodology, and fine arts, the student receives extensive practical training in primary and kindergarten classrooms, nursery schools and day care centers. Upon completion of the requirements for this degree, the graduate will qualify for certification in elementary education (K-9) with special emphasis in early childhood education.

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Although the Department of Education is responsible for the organization and administration of the degree program, it is an interdisciplinary major. The Departments of Behavioral Science, Home Economics and Education are each contributing to the program through course offerings and expertise.

A. Professional Core Requirements: Forty hours for the Bachelor of Science degree including EDUC 124, 125, 126, 214, 226, 240, 245, 316, 332, 334, 416, 417, 425, 435, 436. Required cognates: PSYC 124, GEOG 204, PETH 463, EDUC 230 and 231.

B. Subject Matter Requirements: The Early Childhood Education student will take a composite major consisting of 15 hours in each of four teaching fields: i.e., Religion, Social Studies, Science, Math, Language Arts, HLPE.

C. General Education Requirements: In addition to SMC's General Education requirements the following areas and courses must be included:

Man's God	12 hours
Man's Culture (including Literature and HIST 154, 155 or 355 and 357)	15 hours
Man's Environment (including 12 hours of Nutrition and and Science with at least two areas and two labs represented; MATH 204; HLED 173 and 203; and SOCI 125 and 223)	22 hours
Man's Communication Needs	9 hours
Man's Labor and Recreation (including LIBR 325 and PEAC 2 hours)	7 hours

ASSOCIATE OF SCIENCE DEGREE IN PRESCHOOL EDUCATION

This two-year curriculum is designed to prepare personnel for nursery schools and day care centers and teacher assistants for kindergarten and primary classrooms. While it represents the work of the Departments of Education, Home Economics and Behavioral Science, it is administered by the Department of Education.

Course Requirements:

Major:	27 hours
EDUC 124 Introduction to Teaching	2 hours
EDUC 125 Principles and Organization of Education	3 hours
EDUC 126 Early Childhood Education	2 hours
EDUC 214 Nursery School Teaching	2 hours
EDUC 226 Kindergarten and Nursery School Methods	3 hours
EDUC 230 Art in the Elementary School ..	3 hours
EDUC 231 Music in the Elementary School	3 hours

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EDUC 245	Management of Early Childhood Programs	2 hours
PSYC 126	Developmental Psychology	2 hours
FDNT 125	Nutrition	3 hours
	Departmental Electives	2 hours

General Education: Same as Southern Missionary College's general education requirements. Students who plan to take the B.S. in Early Childhood Education at a later date should select all electives from requirements in the B.S. program.

SECONDARY EDUCATION

A student wishing to prepare for certification in secondary education should apply for admission through the Department of Education prior to the end of the sophomore year.

In the first semester of the junior year or at the time of admission into the department, and in consultation with his major professor and the chairman of the Department of Education, the student will work out a program of studies leading to a degree and meeting certification requirements. Two approved teaching fields, a major and a minor, are recommended. Program forms may be obtained from the Department of Education.

The following professional courses are required: Psychology of Learning and the Learner, EDUC 316; Principles and Organization of Education, EDUC 125; Education of the Exceptional Student, EDUC 240; Social Foundations of American Education, EDUC 425; Curriculum and General Methods, Grades 7-12, EDUC 437; Special Methods of Teaching Grades 7-12, EDUC 438; Student Teaching, Grades 7-12, EDUC 418.

Required Cognate: Introduction to Psychology, PSYC 124.

Electives in Education—two hours required: Recommended are Corrective Reading, EDUC 424; Administrative and Personnel Work of Deans, EDUC 355; Directed Study, EDUC 495; and PSYC 317, 377, and 434.

General Education: In meeting the general education requirements, five of the following six arrangements must be included:

1. Six hours in any combination of D-1 and D-2.
2. SOCI 223 plus four hours from C-2, E-2 (PEAC).
3. Ten hours from any combination of three of the following: A-1, B-2, B-3 (excluding beginning language), B-4.
4. Eight hours from Science C-1 or six hours from Science C-1 and two hours of Mathematics.
5. SOCI 125 plus five hours from B-1, C-2 (ECON). C-2.
6. Mathematics, two hours.

COURSES IN EDUCATION

EDUC 124. INTRODUCTION TO TEACHING

2 hours

The student is given an opportunity to become acquainted with the needed personal and professional traits, duties, and responsibilities of the teacher. Obser-

EDUCATION

vation and participation in classrooms at all grade levels. Two class periods per week plus special assignments.

EDUC 125. PRINCIPLES AND ORGANIZATION OF EDUCATION (C-2) 3 hours

This course gives an overview of the principles, purposes and organization of education. Emphasis is placed on the relationship of the student, parent, teacher, administrator and community in the development and operation of the school program.

EDUC 126. EARLY CHILDHOOD EDUCATION (C-2) 2 hours

An examination and evaluation of historical and contemporary theories and curricula in kindergarten and early childhood education in terms of their philosophical and psychological assumptions and contributions to child development leading to the growth of a personal philosophy of education of the pre-school child. Participation in pre-school programs arranged.

EDUC 213. CADET TEACHING 1-2 hours

Prerequisite: Permission of instructor.

This directed teaching experience provides an early opportunity for the prospective teacher to test his vocational decision in a real classroom. It also provides a practical basis for later methods and psychology courses. It does not apply toward the senior student teaching experience.

EDUC 214. NURSERY SCHOOL TEACHING 2 hours

Prerequisites: EDUC 126 and 226.

The student will work in an approved early childhood center for 60 hours, part of which the student will be in complete charge of the program.

EDUC 226. KINDERGARTEN AND NURSERY SCHOOL METHODS (C-2) 3 hours

Designed to give the student an understanding of appropriate methods, materials, and strategies for teaching in preschool. Emphasis is given to application of the principles of child development and learning to promote harmonious physical, mental, social and emotional growth. Observation and participation in organized programs for young children required.

EDUC 230. ART IN THE ELEMENTARY SCHOOL 3 hours

Exploratory activities designed to acquaint the students with materials, methods, and procedures for the teaching of art on the various instructional levels. A brief study of the basic principles of art and art appreciation is included. Observation and participation in the art activities of the elementary school will be scheduled.

EDUC 231. MUSIC IN THE ELEMENTARY SCHOOL 3 hours

A course designed to prepare teachers to direct the music activities in the elementary school. The content includes fundamentals, appreciation, singing, playing, and rhythmic activities. Observation and participation in the music program of the elementary school is required. Two hours lecture and three hours laboratory work per week.

EDUC 245. MANAGEMENT OF EARLY CHILDHOOD PROGRAMS 2 hours

Prerequisite: EDUC 214 or 416.

Planning and management strategies in the operation of private or public kindergarten, nursery, and day care centers: personnel, housing, budgeting, safety and health, evaluation of programs, legal requirements. The design and implementation of strategies for parent involvement. A study of the teacher's responsibility in the guidance of children in cooperation with parents. Practicum experience required.

EDUCATION

EDUC 316. PSYCHOLOGY OF LEARNING AND THE LEARNER (C-2) 3 hours

Prerequisite: PSYC 124.

Learning principles as related to development and teaching; motivation of the learner; evaluation of classroom learning; statistical analysis of test results, provision for individual differences including emphasis on teaching the disadvantaged; classroom climate and adjustment. Must be taken concurrently with or prior to methods of teaching.

EDUC 332. TEACHING OF READING 3 hours

A study is made of the materials and methods used in teaching reading in the elementary grades. Two hours lecture and discussion, three hours laboratory work each week.

EDUC 334. CLASSROOM COMPETENCIES 2 hours

This course provides opportunity for the student to develop skills and knowledge related to traditional and alternative concepts of classroom organization and management, teaching strategies, instructional media, pupil evaluation, discipline, public relations and ethics. Classroom experience may be required.

EDUC 355. ADMINISTRATIVE AND PERSONNEL WORK OF DEANS 2 hours

A basic professional course in the administration of the school home. (Offered on demand.)

EDUC 415. SECONDARY SCHOOL HOMES PRACTICUM 2 hours

Prerequisite: EDUC 355.

This course is designed to provide resident experience in secondary school home administration under the supervision of a successful dean. Usually taken concurrently with Student Teaching. Not offered in the summer.

EDUC 416. STUDENT TEACHING, KINDERGARTEN 2-4 hours

Prerequisites: Admission to Teacher Education, EDUC 226, 316, 435, 436.

This course is offered each semester and is available during the summer term to teachers with previous experience if suitable classes can be found. For other conditions, see EDUC 417.

EDUC 417. STUDENT TEACHING, 1-9 8 hours

Prerequisite: Admission to Teacher Education, EDUC 316, 435, 436.

This course is offered each semester and is available during the summer term to teachers with previous experience. The student will be assigned a half-day each week of classroom observation and participation the first half of the semester.

The second half of the semester will be used for full-time student teaching in on-campus or selected off-campus elementary schools. Group conferences of two periods each week will be scheduled. A minimum of two hours credit must be earned in residence.

Student teachers are expected to provide their own transportation to their teaching centers and to follow the school calendars where they are assigned.

EDUC 418. STUDENT TEACHING, GRADES 7-12 6 hours

Prerequisite: Admission to Teacher Education, EDUC 316, 437, 438. Music majors must have completed MUPF 479.

This course is offered each semester and the summer session in selected areas. The student teachers will be assigned to the cooperating teacher at the beginning of the semester, and will be expected to spend a minimum of three hours per week in observation and participation. These hours will count toward the required student teaching allotment. One half semester of full time of directed observation, participation and full-day classroom teaching is required in on-campus or selected

EDUCATION

off-campus secondary schools. Conferences of two class periods *each week* will be scheduled.

A minimum of two hours credit must be earned in residence by degree candidates. Student teachers are expected to provide their own transportation to their teaching centers and to follow the school calendars where they are assigned.

EDUC 424. CORRECTIVE READING

2-3 hours

Diagnostic techniques and materials and methods for individual and group instruction for elementary and secondary classroom teachers.

EDUC 425. SOCIAL FOUNDATIONS OF AMERICAN EDUCATION (C-2)

2 hours

Prerequisite: SOCI 125 highly recommended.

An examination of past and contemporary philosophical and sociological factors in American education. Consideration will be given to contemporary cultural and social forces which deprive students of their opportunity for successful classroom learning.

EDUC 435. MATERIALS AND METHODS OF TEACHING IN THE ELEMENTARY SCHOOL

3 hours

Prerequisite: Admission to Teacher Education.

This course is designed to meet the students' needs in general methods in the teaching of Bible, Social Science, English. The course will be offered the first half of each semester, ten periods each week plus four periods of lab work. Directed observation in selected schools and attendance at selected local professional meetings are considered a part of this course.

EDUC 436. MATERIALS AND METHODS OF TEACHING IN THE ELEMENTARY SCHOOL

3 hours

Prerequisite: Admission to Teacher Education.

This course is designed to meet the students' needs in general methods in the teaching of Mathematics and Science and Health. The course will be offered the first half of each semester, ten periods each week plus four periods of lab work. Directed observation in selected schools and attendance at selected local professional meetings are considered a part of this course.

EDUC 437. CURRICULUM AND GENERAL METHODS, GRADES 7-12

3 hours

Prerequisite: Admission to Teacher Education

This course will include the secondary curriculum content—factors that influence change, the most important current practices, and critical curriculum issues facing educators today. It will provide general knowledge of current teaching methods, strategies of learning, and evaluation procedures.

EDUC 438. SPECIAL METHODS OF TEACHING, GRADES 7-12

2 hours

Prerequisite: Admission to Teacher Education.

The areas which offer Methods courses are: (A) Art, (B) Bible, (C) Business (Office Administration), (D) English, (E) Foreign Language, (F) Health and Physical Education, (G) History, (H) Home Economics (I) Industrial Arts, (J) Mathematics, (K) Music, (L) Science (Biology, Chemistry and Physics).

Course Educ. 437 and Educ. 438 comprise a block and should be taken the same semester.

The course will be offered the first half of that semester designated by the student's major department. The class will meet four class periods per week. Among the student's responsibilities will be the collection and organization of a file of teaching materials, the preparation of lesson plans and evaluation of textbooks.

EDUC 475. WORKSHOP IN ELEMENTARY EDUCATION

1-2 hours

Preservice and experienced teachers are given opportunity to work under super-

ENGLISH LANGUAGE AND LITERATURE

vision on curriculum problems. Curricular areas are designated as follows: A—Art, B—Bible, E—English, IM—Instructional Media, K—Kindergarten, M—Mathematics, Ms—Music, OE—Open Education, R—Reading, S—Science, SS—Social Studies.

EDUC 495. DIRECTED STUDY

1-2 hours

This course permits the advanced student with adequate preparation to pursue independent study in special fields.

ENGLISH LANGUAGE AND LITERATURE

Wilma McClarty, Sue Baker, Ann Clark,
Bruce Gerhart, Minon Hamm, Barbara Ruf

Major: Thirty hours for the Bachelor of Arts degree, excluding College Composition, including ENGL 216, 218, 314, 315, 335; plus six hours from ENGL 214, 333, 334; plus nine hours from ENGL 336, 337, 338, 444. Required cognate: HIST 374 and HMNT 205. Intermediate level of a modern language strongly recommended.

Students anticipating secondary teaching should meet state certification requirements (see Secondary Program under EDUCATION), should consider taking a minor in Fields Related to English Education, and should obtain experience working on the *Southern Accent* staff, *Southern Memories* staff, and/or a programs committee of one of the student organizations.

Minor: Eighteen hours, excluding College Composition, including ENGL 218 or 315; 214 or 333 or 334; 314; plus two of the following: ENGL 336, 337, 338, 444; plus three hours of electives.

Minor in Fields Related to English Education (Available only to English Majors): Eighteen hours including LIBR 125; HIST 374, SPCH 135 and 236; JOUR 111; and four (two upper division) hours from the following electives: PSYC 124; SECR 105, 115, or 214; EDUC 424; any Communication course; any Library Science course.

ENGLISH LANGUAGE

ENGL 005. PROGRAMMED ENGLISH

No Credit

Students whose scores on English placement tests indicate a need for reinforcement in mechanics and structure are advised to register for this lab and College Composition concurrently. Since this material is carefully programmed, the student, progressing at his own rate, may complete the course early in the semester by achieving scores of 85 percent or better in all units. This lab course will comprise two hours of the student's registered class load.

ENGL 101, 102. COLLEGE COMPOSITION (D-1)

3,3 hours

A two-semester, *sequential* course focusing strongly on composition. The primary purpose of the course is to help the student become a better writer, and the activities of the course are designed to contribute to this purpose. In ENGL 101, emphasis is placed on personal and narrative writing. In ENGL 102, focus is on

ENGLISH LANGUAGE AND LITERATURE

exposition, including a study of language and its relation to composition. Poetry will be employed as a subject for writing.

ENGL 218. ADVANCED GRAMMAR

3 hours

Prerequisite: ENGL 102.

A detailed survey of descriptive grammar as it pertains to parts of speech, sentence construction, syntax, and punctuation. Designed to aid any student who wishes to strengthen his skill in grammar analysis, it is also especially helpful for prospective teachers and writers.

ENGL 314. CREATIVE WRITING

3 hours

Prerequisite: Three hours of literature or permission of instructor.

A study of the principles, techniques, and types of personalized writing, providing the student with opportunity to develop his own style and to find possible markets for his manuscripts that may be worthy of publication.

ENGL 315. INTRODUCTION TO LINGUISTICS

3 hours

Prerequisite: ENGL 102.

Purposes to give the student a background in history of the English language; to acquaint him with the various fields, aspects, and branches of linguistics; to equip him with a working knowledge of structural linguistics' four principal branches—phonetics, phonemics, morphemics, and grammar; and to relate these learnings to the teaching of contemporary English. Open to sophomore and upper division students. This course may be taught only alternate years.

LITERATURE

ENGL 213. LITERATURE AND LIFE (B-2)

3 hours

Prerequisite: ENGL 102.

A thematic approach to the study and appreciation of literature, including the study of literary types and terms.

ENGL 214. SURVEY OF AMERICAN LITERATURE (B-2)

3 hours

Prerequisite: ENGL 102.

A study of representative selections from major American authors, colonial through modern, with emphasis on ideas, attitudes, and trends having individual, national and universal interest.

ENGL 215. SURVEY OF ENGLISH LITERATURE (B-2)

3 hours

Prerequisite: ENGL 102.

A study of representative selections by British writers, with special emphasis on the author and his philosophy, and a review of literary trends and influences from ancient times to the present.

ENGL 216. MASTERPIECES OF LITERATURE (B-2)

3 hours

Prerequisite: ENGL 102.

A genre approach to the study and appreciation of selected English and American works, with special emphasis on the critical qualities that distinguish such basic literary types as the essay, the short story, the drama, the poem, etc.

ENGL 333. AMERICAN COLONIAL AND EARLY NATIONAL LITERATURE (B-2)

3 hours

A reasonably comprehensive, chronological study of the works of major American writers from the Colonial period through the early Romantic period. This course may be taught only alternate years.

ENGLISH LANGUAGE AND LITERATURE

ENGL 334. NINETEENTH AND TWENTIETH CENTURY AMERICAN LITERATURE (B-2)

3 hours

A continuation of ENGL 333, from the mid-nineteenth century through some of the more recent writers. This course may be taught only alternate years.

ENGL 335. BIBLICAL LITERATURE (B-2)

3 hours

A study of the Bible's literary masterpieces, using the book of Job as an introduction to Biblical genres. Types included are Hebrew poetry, drama, epic and pastoral narrative, verse epic, wisdom literature, parable, prophetic rhapsody, epistle. Also a brief tracing of Biblical influence on secular literature. This course may be taught only alternate years.

ENGL 336. MEDIEVAL AND RENAISSANCE LITERATURE (B-2)

3 hours

From Chaucer through Shakespeare, the men and their times. Readings in *Canterbury Tales*, Middle English romance, allegory, play, and meditation in translation; in Sixteenth Century prose, Elizabethan poetry and dramatic literature, with study of genre, conventions, trends. Specific attention to moral and religious issues. This course may be taught only alternate years.

ENGL 337. NINETEENTH CENTURY BRITISH LITERATURE (B-2)

3 hours

A study of British writers from the Romantic and/or Victorian periods (1785-1901), with special emphasis upon Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Scott, Tennyson, Dickens, Arnold, Browning, Carlyle, Kipling, George Eliot. This course may be taught only alternate years.

ENGL 338. TWENTIETH CENTURY WRITERS (B-2)

3 hours

A study of major prose and/or poetry of the present century. Focus will be on American and/or British works, but world literature in translation may be included. This course may be taught only alternate years.

ENGL 444. RESTORATION AND EIGHTEENTH CENTURY LITERATURE (B-2) 3 hours

English life and letters in ferment, from Donne through the Enlightenment and decline of Neo-classicism: Milton, Dryden, Swift, Pope, Johnson. Special attention to moral and religious issues, trends. This course may be taught only alternate years.

ENGL 445. WORLD LITERATURE (B-2)

3 hours

A study of major world masterpieces in translation, from Homer through the Renaissance. Special focus on development of genres, tracing growth of the epic from the Greek and Roman masterpieces through medieval and Renaissance examples; development of drama from Greece's golden age to the golden age of Spain. Other major genres include lyric poetry, satire, essay, medieval romance, and Renaissance narrative. Works written originally in English will not be included. This course may be taught only alternate years. Students desiring a complete sequence in world literature may follow this course with MDLG 304.

ENGL 495. INDEPENDENT STUDY

1 or 2 hours

The content of this course will be adjusted to meet the particular needs of the student. Open only to English majors or minors with the approval of the department head.

EDUCATION

EDUC 438. METHODS OF TEACHING ENGLISH

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances; the survey and evaluation of textbooks is also included. This course is taught each spring semester only. Four lectures each week of the first half of the second semester during the senior year.

HEALTH, PHYSICAL EDUCATION AND RECREATION

HEALTH, PHYSICAL EDUCATION AND RECREATION

Delmar Lovejoy, Jacqueline Davis, Philip Garver, Donald Moon

The courses in health, physical education and recreation propose to acquaint students with principles of healthful living, to help each student develop physical efficiency through participation in supervised activity, to develop wholesome recreational habits by helping the student acquire interest, knowledge and skills in several recreational activities and to contribute to those students choosing a career in health, physical education and recreation.

Major: Thirty-six hours for the Bachelor of Science degree including HLED 314, 315; PETH 265, 266, 363, 364; and excluding HLED 203. Required cognates: BIOL 105, 106.

All students must pass a proficiency test in four of five team activities, and four of the six individual activities. An acceptable level of proficiency will be required in the remaining activities. Students failing to demonstrate satisfactory performance will be required to make up deficiencies in the general activity classes.

No more than four hours of activity courses may apply on the major. Intramural participation is recommended.

Majors training for teaching positions must meet the NCATE certification requirements set forth by the Education Department.

Minor: Eighteen hours including PETH 265, 266; 364.

Students must pass a proficiency test in three of the five team activities and three of the six individual activities. An acceptable level of proficiency in the remaining team and individual activities will be required. Students failing to demonstrate satisfactory performance will be required to make up deficiencies in the general activity classes.

ACTIVITY COURSES

PEAC 123. SOCCER AND VOLLEYBALL (E-2)	1 hour
PEAC 124. BASKETBALL AND SOFTBALL (E-2)	1 hour
PEAC 131. BADMINTON (E-2)	1 hour
PEAC 133. ARCHERY, PADDLEBALL, AND HANDBALL (E-2)	1 hour
PEAC 134. ADVANCED TENNIS (E-2)	1 hour
PEAC 135. TRACK AND FIELD (E-2)	1 hour
PEAC 136. GOLF (E-2)	1 hour
PEAC 137. CYCLING (E-2)	1 hour
An introductory course emphasizing basic cycling knowledge and skills, including selection, maintenance, and repairs of a bicycle, safety factors and suggestions for various types of cycling. Approximately nine short trips (10 miles) and one extended trip (50 miles) are required. Students are to provide their own bicycles.	
PEAC 138. ADVANCED GOLF (E-2)	1 hour
PEAC 139. TENNIS (E-2)	1 hour

HEALTH, PHYSICAL EDUCATION & RECREATION

PEAC 143. BEGINNING TUMBLING (E-2)	1 hour
PEAC 144. ELEMENTARY APPARATUS (E-2)	1 hour
Basic skills emphasized on trampoline, P-bars, rings, uneven bars, and balance beam.	
PEAC 151. SCUBA DIVING (E-2)	1 hour
Leads to basic certification by N.A.S.D.S. or N.A.U.I.	
PEAC 153. BEGINNING SWIMMING (E-2)	1-2 hours
For the novice, both beginning and intermediate swimming skills will be included.	
PEAC 243. TUMBLING TEAM (E-2)	1,1 hours
Admission will be based on satisfactory performance of try-out requirements for team membership.	
PEAC 254. LIFESAVING (E-2)	1 hour
Prerequisite: PEAC 256 or equivalent.	
Leads to Red Cross Advanced Life Saving certification.	
PEAC 255. WATER SAFETY INSTRUCTOR (E-2)	1 hour
Prerequisite: PEAC 254 or equivalent.	
Leads to Red Cross Water Safety Instructor certification.	
PEAC 256. ADVANCED SWIMMING (E-2)	1 hour
A review of swimming strokes and conditioning.	
PEAC 258. SMALL CRAFTS MANAGEMENT AND SAFETY (E-2)	1 hour
Based on the Red Cross basic and instructor courses in canoeing and sailing.	

HEALTH EDUCATION

HLED 173. HEALTH AND LIFE (C-2)	2 hours
A study of physiology, mental health, diet and health, and other subjects vital to healthful living, with special emphasis given to denominational health standards as revealed by Ellen G. White and by scientific research today. Not open to nursing students.	
HLED 203. SAFETY EDUCATION (C-2)	2 hours
The nature and causes of accidents, safety measures for the prevention of common accidents of the home, school, industry, transportation, and recreation. The standard and advanced Red Cross Certificates will be issued to those completing the required work in first aid.	
HLED 314. KINESIOLOGY	4 hours
Prerequisite: BIOL 105, 106 or equivalent.	
A study of joints and muscular structure and their relation to physical exercise.	
HLED 315. PHYSIOLOGY OF EXERCISE	4 hours
Prerequisite: BIOL 105, 106 or equivalent.	
A nonlaboratory course emphasizing the physiological effects of muscular exercise, physical conditioning, and training. Significance of these effects for health and for performance in activity programs.	
HLED 373. CARE AND PREVENTION OF ATHLETIC INJURIES (C-2)	2 hours
Prerequisite: HLED 314.	
The study of treatment and prevention of athletic injuries. Taught in alternate years.	
HLED 473. HEALTH EDUCATION	2 hours
A study of the theoretical and scientific basis of health education with emphasis on the development and organization of the school health instruction program. Taught in alternate years.	

HISTORY — POLITICAL SCIENCE

PHYSICAL EDUCATION THEORY

PETH 163. INTRODUCTION TO HEALTH, PHYSICAL EDUCATION AND RECREATION	3 hours
A study into the aspect of physical education as a career, its relationship to related fields of education, general principles and philosophies, historical background, and professional preparation.	
PETH 262. WILDERNESS SURVIVAL (E-2)	2 hours
A course designed to acquaint students with a basic knowledge of survival techniques and skills. A four- or five-day survival experience will be included.	
PETH 263. CAMP EDUCATION (E-2)	2 hours
A course designed to promote outdoor recreation and provide experience for those who are interested in Pathfinder summer-camp work. A weekend campout is included as part of the course.	
PETH 265, 266. OFFICIATING SPORTS ANALYSIS (E-2)	2,2 hours
An introduction to administration of and participation in organization of officiating in recreational activities.	
PETH 363. AN INTRODUCTION TO MEASUREMENTS AND RESEARCH OF PHYSICAL EDUCATION	3 hours
A survey of tests used in Physical Education and an introduction to statistical procedures for assaying data and how it may be applied to research.	
PETH 364. PRINCIPLES AND ADMINISTRATION OF PHYSICAL EDUCATION AND RECREATION	3 hours
An integrated study of the principles and administrative concepts of Physical Education and Recreation.	
PETH 463. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL	2 hours
This course is designed primarily for elementary teachers and minors in Physical Education. Methods and materials, graded activities in games of low organization, team games, self-testing and rhythmic activities, and safety measures. Observation and teaching of elementary school children will be scheduled.	
PETH 465. HISTORY AND PHILOSOPHY OF PHYSICAL EDUCATION	2 hours
A study of the background of physical education. Taught in alternate years.	
PETH 499. PROBLEMS IN PHYSICAL EDUCATION	1-3 hours
An introduction to research and discussion on problem areas in the discipline. Limited to Physical Education majors.	

EDUCATION

EDUC 438. METHODS OF TEACHING HEALTH & P.E.	2 hours
Prerequisite: Admission to Teacher Education.	

Attention is given to Methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

HISTORY—POLITICAL SCIENCE

Floyd Greenleaf, Jerome Clark, William Wohlers

Commonly understood, history is the study of mankind — relationships among people, their accomplishments, institutions they have de-

HISTORY—POLITICAL SCIENCE

vised and explanations they have offered to answer the "why" of their existence. While not overlooking these matters, history courses at Southern Missionary College include an added dimension, that of divine influence upon the human experience. This is intended to make students conscious of God's ultimate control of the universe and His concern for them as individuals in the human family. Within this concept a knowledge of the past provides a meaningful understanding of the present and a hope for the future.

Departmental approval of study programs for history majors. Departmental approval is necessary for all programs. A student majoring in history shall plan his entire study program with a member of the History Department. Approval is then considered on an individual basis and is granted on the following conditions:

1. compliance with graduation requirements as explained elsewhere in the Catalog;
2. fulfillment of the professional and individual needs of the student;
3. embodiment of academic balance and continuity.

Major: Thirty hours for the Bachelor of Arts degree including HIST 154, 155; 174, 175; 495. At least two courses are to be taken in each of the following areas:

Area I: American History, HIST 354, 355, 356, 357, 465; PLSC 254.

Area II: European History, HIST 374, 375, 376, 377, 378, 465; PLSC 366, either HIST 364 or 365.

General Education for History majors. A student majoring in history will follow the general education program for a bachelor's degree. Within this program he must present class work from all groups of study under Section B, "Man's Culture." Modern Languages 211:212 is required.

History as a preprofessional degree. A student majoring in history who plans to enter a professional school such as medicine or law must present a balanced program of general education classes and electives that will support his professional objectives.

History as a preparation for teaching. A student majoring in history who plans to teach must also earn teaching credentials in a field outside of history. He will accomplish this by including a supporting field of eighteen hours in his program. The History Department requires no specific supporting field, but recognizes art, behavioral science, business, English, and modern languages as intimately related to the study of history.

Minor in History: Eighteen hours including HIST 174, 175. The additional twelve hours will be chosen from remaining history courses, six hours of which must be upper biennium. A minimum of three hours must be chosen from each of the American and European areas. Three

HISTORY—POLITICAL SCIENCE

hours of political science may be taken in lieu of three hours of history. Those planning to certify for teaching history must take all eighteen hours in history and should include HIST 154, 155.

Minor in History (for Religion majors): Eighteen hours including HIST 174, 175 and either (a) HIST 154, 155; 364, 365; or (b) HIST 364, 365 and one of the following: HIST 375, 376, 377; and one of the following: HIST 154, 155, 357.

General Education for students not majoring in history. Freshman and sophomore students earning general education credit in history should take courses from the 100 and 200 level. Junior and senior students meeting general education requirements in history should select courses from the 300 and 400 level.

HIST 154, 155. AMERICAN HISTORY AND INSTITUTIONS (B-1)	3,3 hours
A study of the regional and national development of the American people, including their politics, government, and social institutions reaching to the present time. This course is recommended as general education for freshmen and sophomores.	
HIST 174, 175. SURVEY OF CIVILIZATION (B-1)	3,3 hours
An introductory consideration of the ancient, classical and medieval contributions to our own civilization and a consideration of modern and current developments. This course is recommended as general education for freshmen and sophomores.	
HIST 264. CURRENT AFFAIRS	2 hours
A course in current political developments of significance both domestic and international. Newspapers and current periodicals are used as materials.	
HIST 354. HISTORY OF LATIN AMERICA (B-1)	3 hours
A survey of the colonial period, and a careful analysis of the political, economic, social, religious, and cultural development of the Latin-American Republics, and their present relation to world affairs.	
HIST 355. HISTORY OF THE SOUTH (B-1)	3 hours
A study of the Old South from the discovery through the war between the states, the reconstruction and the subsequent developments and recent changes, including the current scene.	
HIST 356. MINORITIES IN AMERICA (B-1)	3 hours
A view of American minorities with particular emphasis on their history, changing problems, and current relationship to American life. Special attention is devoted to the American Black.	
HIST 357. MODERN AMERICA (B-1)	3 hours
A study of American History from 1900 on with special examination of changes in American life brought about by the Progressive era, normalcy, the depression, the New Deal, and the role of the United States in world affairs.	
HIST 364, 365. HISTORY OF THE CHRISTIAN CHURCH (B-1)	3,3 hours
A study of the development of the Christian Church from its apostolic origin to the present time with emphasis on the internal problems that eventually formed the background for present-day Christianity and its various divisions.	
HIST 374. HISTORY OF ENGLAND (B-1)	4 hours
An analysis of the political, social, economic, religious and cultural development	

HISTORY—POLITICAL SCIENCE

of Great Britain and its contributions to the world, especially in constitutional and democratic institutions.

HIST 375. ANCIENT WORLD (B-1) 3 hours

A study of the nations of antiquity especially Israel, Assyria, Babylonia, Egypt, Medo-Persia and the classical nations Greece and Rome, concentrating on the institutions and contributions to civilization of each.

HIST 376. MEDIEVAL EUROPE (B-1) 3 hours

European History from 500-1200 A.D. This course is taught in alternate years.

HIST 377. RENAISSANCE AND REFORMATION (B-1) 3 hours

An analysis of the revival of learning, from medieval to modern conditions, and of the causes, substance, and effects of the Reformation and Counter Reformation.

HIST 378. MODERN EUROPE (B-1) 3 hours

Historical developments in Europe from 1800 to the present, with emphasis on the movements which have directly shaped the contemporary world.

HIST 465. READINGS IN HISTORY (B-1) 3 hours

Readings from selected topics in History. Topics covered will determine whether credit is granted in Area I or Area II. This course may be repeated for credit.

HIST 495. RESEARCH METHODS IN HISTORY 3 hours

Historical theories, procedures, and research methods are examined in conjunction with the preparation of a research project.

HIST 499. PROBLEMS IN HISTORY 1 hour

This course is for history majors only and consists of individual research work in some field of history. Content and method of study to be arranged. Approval must be secured from the department head prior to registration.

POLITICAL SCIENCE

PLSC 254. AMERICAN NATIONAL AND STATE GOVERNMENT (C-2) 3 hours

An examination of the operation of the executive, legislative, and judicial branches of government of the national, state, and local levels. To be taught in alternate years.

PLSC 366. CONTEMPORARY INTERNATIONAL RELATIONS (C-2) 3 hours

A critical analysis of the chief factors influencing present-day world affairs, with special emphasis on the ideological and religious background of current conflicts. This course is taught in alternate years.

GEOGRAPHY

GEOG 204. WORLD GEOGRAPHY (C-2) 3 hours

Maps, land forms, soil, mineral resources, weather, and climate are considered. Man's adjustment to various physiographic regions is studied.

EDUCATION

EDUC 438. METHODS OF TEACHING HISTORY 2 hours

Attention is given to methods and materials in instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

HOME ECONOMICS

HOME ECONOMICS

Thelma Cushman, Alice Calkins, Sue TeHennepe,
Ron Grange, Iwan Lyzenchuk

Home Economics programs are designed to prepare men and women for careers dealing with home and family life, food and nutrition, textiles and clothing, and teaching of Home Economics in secondary and elementary schools.

Flexibility of programs allows a choice of concentration to fit the preparation needed for the chosen Home Economics profession.

Emphasis is placed upon the Seventh-day Adventist philosophy for home and family living and preparation for professional, church and community leadership.

All Home Economics programs are planned with a member of the Home Economics Department. Approval is then considered on an individual basis and is granted on the following conditions:

1. compliance with graduation requirements as explained elsewhere in the catalog;
2. fulfillment of the professional and individual needs of the student;
3. embodiment of academic balance and continuity.

Major: Forty hours for the Bachelor of Science degree in Home Economics including FDNT 124, 125, 127, 317, 325; HMEC 147, 148, 164, 165, 166, 244, 314, 349, 415, 485. Cognate requirements: PSYC 127.

Home Economics majors and candidates for secondary certification are required to attend two approved professional meetings each semester.

Those who plan to do graduate work in Home Economics should include CHEM 151:152; BIOL 106 and 125; and ECON 224:225.

Minor — Home Economics: Eighteen hours, six hours of which must be upper biennium.

Minor — Foods and Food Service: Eighteen hours including six hours of upper biennium. Open to all including Home Economics majors.

ASSOCIATE OF SCIENCE DEGREES

Home Economics: The purpose of the two-year curriculum is to prepare the student for a successful family experience as well as for service to his community. All specified courses will apply toward a Bachelor's degree in Home Economics.

Major: Twenty-four hours including courses FDNT 124, 125, 127, 217; HMEC 147, 148; and HMEC 149 or 165, or 314, plus electives to make a total of 24 hours in Home Economics, general education courses to meet catalog requirements, and sufficient electives to make a total of

HOME ECONOMICS

64 semester hours. The student is free to select electives in the Home Economics areas of his special interest.

Home Economics majors and candidates for secondary certification are required to attend two approved professional meetings each semester.

Food Service and Bakery Management: The purpose of the program is to prepare the student with ability to accept a position of responsibility in a food service or bakery. The student's course may emphasize either baking or food service. Course requirements are FDNT 118, 124, 125, 127, 129, 217, 219, 224, 225, with Home Economics electives to total 24 hours, and cognates ACCT 121, ECON 224 or 225, BUAD 344 and BIOL 125. The student's program, including general education requirements and electives to make a total of 64 hours, shall be planned with and approved by a member of the Home Economics Department. Work experience in food service and/or bakery is required. Attendance at a minimum of two professional meetings each semester is required.

ONE-YEAR CERTIFICATE COURSE IN FOOD SERVICE

The purpose of the one-year certificate program is to provide the student with the basic skills needed for work in institutional food service. Course requirements are: FDNT 118, 124, 127, 217, 219, HMEC 146, Home Economics electives to total 20 hours, and an approved general education program to total 32 hours. This program shall be planned with a member of the Home Economics department. Work experience in food service is required. Attendance at a minimum of two professional meetings each semester is required.

FOODS AND NUTRITION

FDNT 100. DYNAMICS OF DIETETICS	1 hour
A survey of the profession of dietetics featuring student contact with registered dietitians in their professional environment. For the pre-dietetics student. Consent of the instructor required. Three clock hours per week.	
FDNT 118, 318. INTRODUCTION TO QUANTITY FOOD SERVICE	3 hours
A survey of the field of institutional food service, including the principles of quantity food preparation, consideration of the special challenges of volume feeding, and an over view of volume food service organization. Two lectures each week, laboratory work in various areas of quantity food production, service, and maintenance.	
FDNT 124. FOODS (E-1)	2 hours
Basic principles of food composition, selection, and preparation. Two hours lecture each week. Home Economics majors must take concurrently with FDNT 127.	
FDNT 125. NUTRITION (C-1)	3 hours
An introduction to the basic principles of human nutrition. Includes study of the nutrients and the requirements for different age groups and normal physiological conditions. Attention will be given to religious and sociological influences, taking particular note of the counsel of Mrs. E. G. White.	

HOME ECONOMICS

FDNT 127. FOOD PREPARATION (E-1)

1 hour

Principles of quality food preparation. Efforts will be made to meet the specific needs and interests of the group. One three-hour discussion and laboratory per week.

FDNT 129. BAKING TECHNIQUES

2-4 hours

Lecture and experience in principles of bakery production and operation, including purchasing, equipment layout, maintenance, and sanitation. Emphasis first semester will be on basic products; second semester on advanced skills and techniques. Requires 8 to 16 clock hours per week. A maximum of eight hours credit is granted.

FDNT 216 or 416. INSTITUTIONAL FOOD SERVICE PRACTICUM

3 hours

Prerequisite: FDNT 118 or 318.

Guided experience in small institution food service culminating in total responsibility of food service for a minimum of three weeks.

FDNT 217 or 317. MEAL MANAGEMENT (E-1)

2-3 hours

Prerequisites: FDNT 124, 125, 127, or approval of instructor.

Experience in planning, costing, and serving meals to family-sized groups; problems in consumer economics and art of home food service. Two lectures and three hours of laboratory each week.

FDNT 219. FOOD SERVICE PRODUCTION TECHNIQUES

2-4 hours

Lecture and experience in techniques of entree, vegetable, salad, dessert and beverage production. Includes quantity purchasing, equipment layout, maintenance and sanitation. Requires 8 to 16 clock hours per week. A maximum of eight hours credit is granted.

*FDNT 224, 424. FOOD SERVICE MANAGEMENT

3 hours

A study of equipment selection, maintenance and layout, and management and personnel relationships in institution food service. Laboratory experience. Two one-hour lectures each week.

*FDNT 225. BANQUET AND SPECIAL FUNCTION MANAGEMENT

1 hour

Lecture and practical experience in managing banquets and special functions.

FDNT 325. DEMONSTRATION TECHNIQUES

2 hours

Prerequisites: FDNT 124, 125, 127, or approval of instructor.

Designed to present purposes, standards, and techniques of demonstrations with application to teaching, business, and conducting cooking schools for adult groups. This course is taught in alternate years.

HOME MANAGEMENT

HMEC 146 or 346. CONSUMER EDUCATION (E-1)

2 hours

A basic course in consumer education from the standpoint of purchasing and money management as related to the home and its personal needs.

HMEC 147. MANAGEMENT (E-1)

2 hours

A study of family problems and goals with emphasis on management of personal and family resources.

HMEC 148. ORIENTATION

1 hour

Orientation in the areas of Home Economics and a study of the field in terms of history, philosophy and professional opportunities. Required of all freshman Home Economics majors.

HOME ECONOMICS

HMEC 149 or 349. DECORATING AND FURNISHING THE HOME (E-1) 3 hours
A basic design course dealing with the principles of applied art in the home. Three class hours and three laboratory hours.

HMEC 244. HOUSEHOLD EQUIPMENT (E-1) 2 hours
Evaluation, use and care of household appliances and equipment.

HMEC 314. CHILD DEVELOPMENT (C-2) 3 hours
Physical, cognitive, social, and emotional aspects of human growth and development in the family environment from conception through early childhood. Three class periods and two hours observation in nursery school and homes each week.

***HMEC 345. UPHOLSTERY AND DRAPERY (E-1)** 3 hours
Laboratory experience in simple upholstering and professional drapery making. Two 3-hour combined lecture and laboratory periods.

HMEC 415. PRACTICE IN HOME ECONOMICS 2 hours
Prerequisites: 20 hours in Home Economics including HMEC 147, 349; FDNT 317; PSYC 127; or approval of instructor.
Experience in solving problems of family living. Laboratory will include personal management as well as working in the community. Registration required at the department office one semester in advance.

TEXTILES AND CLOTHING

HMEC 164. TEXTILES (E-1) 3 hours
A study of basic fibers and weaves including properties, construction, selection, uses, and care of textile fabrics. Three one-hour lectures per week.

HMEC 165. BASIC CLOTHING (E-1) 2 hours
Basic principles of clothing construction as applied to individual garments. Three hours combination lecture/lab each week. Two hours of outside sewing experience.

HMEC 166. INTERMEDIATE CLOTHING (E-1) 2 hours
Principles of wardrobe planning, selection, and care for the individual. Two lectures and two hours of outside sewing per week.

HMEC 313. DRESS, CULTURE AND PERSONALITY (C-2) 2 hours
Clothing as it relates to self-expression and to the individual's adjustment to the physical and social environment.

HMEC 315. PATTERN DESIGN (E-1) 3 hours
Prerequisite: HMEC 165 or approval of instructor.
Clothing design and practice in creating designs through flat pattern and draping techniques. Two one-hour lectures and one three-hour lab per week.

***HMEC 316. TAILORING FOR MEN AND WOMEN (E-1)** 3 hours
Prerequisite: HMEC 165 or approval of instructor.
Evaluation and use of various tailoring methods as applied in selection, fitting and construction of tailored wool and polyester double knit garments.

HMEC 485. SEMINAR 2 hours
Prerequisite: Twenty hours completed in Home Economics.
Recent trends in Home Economics and related professional fields. Required of and limited to majors.

INDUSTRIAL EDUCATION

HMEC 495. INDEPENDENT STUDY

1-2 hours

To permit the advanced student majoring in Home Economics to do individual work in the field under the direction of a staff member. By departmental approval which must be obtained before the semester begins.

EDUCATION

EDUC 438. METHODS OF TEACHING HOME ECONOMICS

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

INDUSTRIAL EDUCATION

Drew Turlington, John Durichek, Thomas Grindley,
Wayne Janzen, Robert Warner

Industrial Education at Southern Missionary College provides learning experiences for those who may wish consumer education, a teaching career, avocational skills, or a trade in the construction or service industries. The student forms his curriculum core in such areas as graphic communications, residence construction, electrical and internal combustion power, along with the materials and processes of industry.

Major: Forty hours for the Bachelor of Science degree in Industrial Arts including (a) basic requirements of Industrial Education, INDS 145, 149, 154, 174, 184, 265, 274, 314, 325, 2 hours of electives, and (b) the courses listed below for an Industrial or Secondary Teaching emphasis. Cognate requirements are CHEM 104, MATH 104, and PHYS 207.

Industrial Emphasis—INDS 176. This program prepares students for employment in fabricating and manufacturing industries and to be plant and institutional maintenance superintendents. The student will be proficient in several areas upon completion of the program.

Secondary Teaching Emphasis—INDS 415 and 485, plus the 24 semester hours of professional education subjects required to meet the NCATE-approved program for certification.

Minor: Eighteen hours including six hours upper biennium. An eight hour concentration in one area will give the student a teaching endorsement in that area.

ASSOCIATE OF SCIENCE DEGREE IN HOMEBUILDING TECHNOLOGY

Two-year curriculum giving the student on-the-job training in the building trades, including carpentry, masonry, plumbing, housewiring. This is a trade course to prepare the student to become a general contractor. The requirements are as follows: (A) Major—CNST 121, 122,

INDUSTRIAL EDUCATION

123, 124, 211, 212; INDS 177, 184, 325. INDS 184 is to be taken in the freshman year. (B) General Education—ENGL 101, 3 hours; Religion, 6 hours; Social Science, 3 hours; and electives, 15 hours.

ASSOCIATE OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY

Two-year curriculum especially designed for those desiring employment in plant or institutional maintenance, particularly in health institutions. The requirements are as follows: (A) Major—INDS 154, 174, 175, 176, 184, 265, 274, 275, 314, and 6 hours of departmental electives. (B) Cognates—6 hours to be chosen from PHYS 107, MATH 104, and CHEM 104.

COURSES IN INDUSTRIAL EDUCATION

INDS 145. GRAPHIC ARTS (E-1)	4 hours
A comprehensive "overview" of graphic communications. Covers all occupations and functions in the average printing organization, plus kinds of materials and creative services. All types of printed products are analyzed from creation to finish. Two hours lecture and six hours laboratory each week.	
INDS 149. TECHNICAL DRAWING (E-1)	4 hours
A basic course in drafting, training the student in the use of instruments and the principles of orthographic projection, surface development, sectioning, pictorial representation, and dimensioned working drawings. Eight hours laboratory each week. Lecture as announced by the instructor.	
INDS 154. WOODWORKING (E-1)	4 hours
A study of hand and machine tools, joinery, and proper methods of furniture construction. Two hours lecture, 6 hours laboratory each week.	
INDS 155. INDUSTRIAL CRAFTS (E-1)	2 hours
Exploring the technology of industry by forming and fabricating objects of plastics, metals, and woods. One hour lecture and three hours lab each week. Open to all students.	
INDS 174. GENERAL METALS (E-1)	4 hours
Designed to acquaint the student with the many aspects of the metal working industry. Instruction will be given in the areas of forging, foundry, heat treatment, sheet metal, welding, plus hand- and power-operated metal cutting equipment. Two hours lecture and six hours laboratory each week.	
INDS 175. REFRIGERATION & AIR CONDITIONING (E-1)	3 hours
Fundamental principles of refrigeration and air conditioning. Emphasis will be placed on trouble shooting and servicing of both domestic and commercial units. One hour lecture and six hours laboratory each week.	
INDS 176. ELECTRIC AND OXY-ACETYLENE WELDING (E-1)	4 hours
A very practical course in arc and acetylene welding, teaching the student to weld skillfully in all positions: flat, vertical, and overhead. In addition, the student will learn to use the Tig and Mig industrial welders. Two hours lecture and six hours laboratory each week.	
INDS 177. HOUSE WIRING (E-1)	3 hours
Instruction in the National Electric Code, basic electrical principles, complete instruction and practice in residential wiring, including electric heating. Some industrial wiring techniques will also be included. One hour lecture, six hours laboratory each week.	

INDUSTRIAL EDUCATION

INDS 184. INDUSTRIAL SAFETY EDUCATION (E-1)	2 hours
Emphasis will be placed on O.S.H.A. regulations regarding safety in building construction. Two hours lecture each week. To be taken by all Industrial Arts, Homebuilding Technology, and Industrial Technology majors.	
INDS 255. WOODTURNING (E-1)	1-2 hours
Center and faceplate turning experiences. Two hours lecture each week for the first four weeks. Three hours laboratory for each semester hour credit.	
INDS 264. AUTOMOTIVE SURVEY FOR WOMEN (E-1)	2 hours
A course designed to help women become knowledgeable in the maintenance and operation of an automobile. One hour lecture and three hours laboratory each week. Does not apply toward major or minor.	
INDS 265. AUTOMOTIVE FUNDAMENTALS (E-1)	4 hours
A course designed to give basic understanding of the automobile. Main emphasis is given to power plant and drive train design, operation and service. Two hours lecture and six hours laboratory each week.	
INDS 274. ELECTRICITY/ELECTRONIC (E-1)	4 hours
A basic course in the principles of electricity and electronic circuitry—D.C. and A.C., with emphasis on resistors, capacitors, diodes, transistors, vacuum tubes, amplifiers, and oscilators. Two hours lecture and six hours laboratory each week.	
INDS 275. MACHINE AND TOOL MAINTENANCE	2 hours
A study of the principles and methods of machine repair and preventative maintenance of equipment found in an industrial shop. The time will be divided between metalworking and woodworking equipment. One hour lecture and three hours laboratory each week.	
INDS 314. MACHINE SHOP	4 hours
Prerequisite: INDS 174 or permission of instructor.	
A course designed to provide in-depth experiences in the use of metal machinery and fabrication equipment. Provision is made for extensive personal or large group produced projects. Two hours lecture, six hours laboratory each week.	
INDS 315. LITHO PREP & PRESS	3 hours
Prerequisite: INDS 145.	
This is a "hands-on" approach to the lithographic offset process. The laboratory will give the student actual operating experience with process cameras, dark room techniques, stripping, plate making, contacting, and a variety of offset press equipment. One hour lecture and six hours laboratory each week.	
INDS 317. ENGINE REBUILDING	2 hours
Prerequisite: INDS 265, or equivalent.	
This course is designed to provide experience in internal combustion engine overhaul. Each student will individually remove from car, overhaul and re-install one engine. One hour lecture and three hours laboratory each week.	
INDS 318. AUTOMOTIVE TUNEUP	3 hours
Prerequisite: INDS 265.	
Automotive trouble shooting and tune-up. Course emphasis directed towards the automobile electrical and fuel system. One hour lecture and six hours laboratory each week.	
INDS 325. ARCHITECTURAL DRAFTING (E-1)	4 hours
A study of architectural details and methods of construction relative to frame and masonry veneer residential dwellings. Emphasis is placed on residential	

INDUSTRIAL EDUCATION

planning and design principles. Each student will design and draw all details necessary in the construction of a home. Eight hours laboratory each week. Lectures as announced by the instructor.

INDS 354. CABINET CONSTRUCTION 3-4 hours

Prerequisite: Permission of instructor.

Emphasis will be placed on construction of kitchen cabinets, bathroom vanities and storage closets. Eight hours each week. Lectures as announced by instructor. Open primarily to construction students.

INDS 415. LABORATORY OPERATION AND SUPERVISION 3 hours

A course designed for students planning to be instructors. It will provide experiences such as tool maintenance, materials purchasing, project evaluation, and student assistance. This course must be preceded by completion of basic courses in each content area, such as drafting, graphic arts, woods, metals, and mechanics. Each student, in counsel with the instructor, will decide in which of three areas he will divide his time. One hour lecture, six hours laboratory each week.

INDS 485. SEMINAR 1 hour

A discussion of problems related to the industrial education teaching profession. One hour discussion each week. Open only to Industrial Arts majors.

INDS 499. INDUSTRIAL ARTS PROBLEMS 1-3 hours

The study of a specific problem in the field of Industrial Arts. A written report of the problem may be required by the supervising instructor. Open only to Industrial Education majors and minors. Offered on demand.

CONSTRUCTION

CNST 121. CONSTRUCTION TECHNOLOGY I (E-1) 4 hours

CNST 122. CONSTRUCTION TECHNOLOGY II (E-1) 4 hours

CNST 123. CONSTRUCTION TECHNOLOGY III 4 hours

CNST 124. CONSTRUCTION TECHNOLOGY IV 4 hours

Construction Technology I, II, III, and IV comprise a 16-hour trade course offered in four nine-week blocks, carrying a four-hour credit each nine weeks. The course consists of constructing a modern residence from the footings, masonry, framing, plumbing, cabinets, etc., to the finished product. Students in other disciplines may take any of these blocks, but the A.D. student must take all of them in sequence. Four hours each day, four days a week.

CNST 211. CONSTRUCTION TECHNOLOGY V 6 hours

Internship for students registered in the associate degree in Construction Technology. One hour lecture, plus 16 hours on-the-job training each week.

CNST 212. CONSTRUCTION TECHNOLOGY VI 6 hours

Internship for students registered in the associate degree in Construction Technology. One hour lecture, plus 16 hours on-the-job training each week.

CNST 285. HOME BUILDING FINANCE 3 hours

The content of this course will include the national economy, basic macro-economics, an introduction to mortgage banking and the evolution of real estate finance, financial institutions and their purposes, current means of financing real estate, terminology in the real estate transaction, the origination of single-family loans, the process of loan closing and credit underwriting, construction lending from acquisition to loan close out, and single family appraising fundamentals.

LIBRARY SCIENCE

EDUCATION

EDUC 438. METHODS OF TEACHING INDUSTRIAL ARTS

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performance and the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

LIBRARY SCIENCE

Charles Davis, Peggy Bennett, Loranne Grace, Marion Linderman,
Patricia Morrison, Norman Peek

Minor: Eighteen hours.

A school librarian K-12, Tennessee endorsement is available to certified teachers who complete the 18 hours of Library Science provided by this minor.

LIBR 125. REFERENCE (E-1)

3 hours

Presents basic concepts, selection and use of general and specialized reference material for all levels of school libraries. Useful for the general student who desires to know how better to use the library. Required for all student assistants working in McKee Library.

LIBR 126. LIBRARIES AND LIBRARIANSHIP (E-1)

2 hours

Introduces the aspects of the library profession and the areas of service of various types of libraries. Develops the career possibilities of librarianship.

LIBR 225. CATALOGING AND CLASSIFICATION (E-1)

3 hours

Presents the basic concepts and procedures for instituting and operating the technical services area of the school library or media center. Involves the student in the basic skills of cataloging, classification, and other technical services routines that prepare the material for use in the library.

LIBR 325. LIBRARY MATERIALS FOR CHILDREN (E-1)

3 hours

Presents to the student a knowledge of a wide variety of books and related materials for children, grades 1-8. Develops an appreciation for books and reading that can be enthusiastically transmitted to young readers through critical evaluation and selection of books and materials. Correlates the use of books and materials to the specific needs and interests of young readers.

LIBR 333. INSTRUCTIONAL MEDIA

2 hours

A laboratory course in the selection, operation and use of audio-visual equipment and materials. Preparation of transparencies, flat pictures, graphics and audio materials will be required. One hour lecture and three hours laboratory per week.

LIBR 416. SCHOOL LIBRARY ADMINISTRATION

3 hours

Prerequisites: LIBR 125, 126, 225.

Presents the basic concepts and organizational procedures for the administrative personnel of the school library or media center so that this resource will become involved with the total program of the school.

LIBR 425. LIBRARY MATERIALS FOR YOUNG ADULTS AND ADULTS (E-1)

2 hours

Gives emphasis to the variety of books and related materials for grades 9-12. Correlates critical evaluation and selection to the interests, use, and specific needs, of the young adult as he develops his reading habits and skills. Develops an appreciation for books and reading that can enthusiastically involve both young adults and adults.

MATHEMATICS

MATHEMATICS

Lawrence Hanson, Arthur Richert

Students major in mathematics for several reasons. Some wish to become professional mathematicians. This group will continue to study mathematics at the graduate level. Others wish to obtain employment in a mathematically related field upon graduation or after a year or two of advanced study. A third group finds the practice in problem solving and the disciplined, logical thinking which is indispensable to mathematics to be of value in such nonmathematical occupations as law and medicine.

Interesting and financially rewarding careers are available to mathematics majors. In addition to teaching and research, a mathematics student who takes supporting studies in other areas can enter such fields as actuarial science, systems analysis, computer science, or the health sciences, to name just a few. The department will supply interested students with more information concerning some of these careers, as well as sample four-year curricula which prepare one for them.

Major: Thirty hours for the Bachelor of Arts degree including MATH 115, 217, 318, 319, and 411. CPTR 125 is a cognate requirement.

Minor: Eighteen hours including course 115 and six hours of upper division courses.

MATH 005. BASIC MATHEMATICS

No Credit

Arithmetic and beginning algebra. This is a noncredit, remedial course which is designed to prepare students having limited experience in mathematics for MATH 104 and 105.

MATH 104. INTERMEDIATE ALGEBRA (C-1)

3 hours

Elementary set theory, number systems and their properties, exponents and radicals, equations and inequalities, polynomial functions and their graphs, systems of equations, logarithms. Does not apply on major or minor in mathematics. Students who received at least a C in Algebra II in high school may not enroll for credit without permission of the Mathematics Department and the Academic Dean.

MATH 105. APPLIED ELEMENTARY MATHEMATICS (C-1)

3 hours

Prerequisites: One year of high school algebra and geometry, and a satisfactory ACT score in mathematics.

This course introduces the general student to some topics in elementary mathematics which may be useful to him in the future. These include introductory concepts in set theory and logic; an introductory study of probability and its applications; mathematical modeling as applied to growth and decay; business applications of linear programming; mathematics of finance, including simple and compound interest, annuities, and amortization. Algebra will be reviewed as needed. Does not apply on a major in mathematics.

MATH 114. ELEMENTARY FUNCTIONS & RELATIONS (C-1)

4 hours

Prerequisite: MATH 104 or two years of high school algebra.

The real and complex number systems; the elementary functions and their graphs, including polynomial and rational functions, exponential and logarithmic functions, trigonometric functions; analytic geometry.

MATHEMATICS

MATH 115. CALCULUS I (C-1)

4 hours

Prerequisite: MATH 114, or four years of high school mathematics which include at least one semester of trigonometry and some analytic geometry.

Differential and integral calculus of the elementary functions and relations, including the definite integral, the derivative, computation of derivatives, the fundamental theorem of calculus, computation of antiderivatives, applications.

MATH 204. CONCEPTS OF ELEMENTARY MATHEMATICS

4 hours

Prerequisite: High school Algebra I and Geometry, or permission of instructor.

Set theory as related to elementary mathematics; numeration systems; number systems and their properties, including the whole numbers, the integers, the rational numbers, and the real numbers; basic concepts of geometry. This course is open to Elementary Education majors only. Does not apply on major or minor in mathematics.

MATH 215. STATISTICS (C-1)

3 hours

Prerequisite: MATH 104 or two years of high school algebra.

Elementary probability; organization and analysis of data; the binomial, normal, Student's t, and chi-square distributions; sampling; hypothesis testing; nonparametric statistics; regression and correlation.

MATH 216. SET THEORY AND LOGIC (C-1)

2 hours

Prerequisites: MATH 217 or 104, and permission of instructor.

An introduction to some of the basic ideas, terminology, and notation of logic and sets. The concept of a mathematical proof will be emphasized.

MATH 217. CALCULUS II (C-1)

4 hours

Prerequisite: MATH 115.

Higher derivatives, multiple integrals, infinite series, partial derivatives, elementary differential geometry.

MATH 315. DIFFERENTIAL EQUATIONS (C-1)

3 hours

Prerequisite: MATH 217.

Classification and solution of common types of ordinary differential equations. Analytical and numerical methods will be studied. Applications to problems arising in the physical sciences.

MATH 316. MATHEMATICS OF PHYSICS

3 hours

Prerequisite: MATH 315.

Partial differential equations, Fourier series, boundary value problems, Bessel functions, Legendre polynomials. Analytical and numerical methods will be studied. Taught only upon sufficient demand. Designed primarily for Physics majors.

***MATH 317. COMPLEX VARIABLES**

3 hours

Prerequisite: MATH 217. MATH 216 recommended.

An introduction to the theory of analytic functions of a complex variable, including mappings by elementary functions, complex integration, the Cauchy-Goursat theorem, Cauchy's integral formula, power series, Laurent series, the theory of residues, and conformal mapping. Taught in alternate years.

MATH 318. ALGEBRAIC STRUCTURES

3 hours

Prerequisite: MATH 217. MATH 216 recommended.

The structure of groups, rings, integral domains and fields. This course is taught in alternate years.

MATH 319. LINEAR ALGEBRA

3 hours

Prerequisite: MATH 217. MATH 216 recommended.

Finite dimensional vector spaces over a field and the attendant concepts of systems of linear equations, matrices, determinants. This course is taught in alternate years.

MEDICAL TECHNOLOGY

*MATH 411, 412. ADVANCED CALCULUS 3,3 hours

Prerequisite: MATH 217. MATH 216 recommended.

Introduction to point set topology, continuity, uniform continuity, properties of derivatives and integrals, convergence, uniform convergence, sequences of functions, and infinite series. This course is taught in alternate years.

*MATH 415. GEOMETRY 3 hours

Prerequisite: MATH 217. MATH 216 recommended.

Advanced study of the basic concepts of Euclidian geometry, including the incidence and separation properties of planes and space, measurement functions, congruence from both the metric and synthetic approach, geometric inequalities, the parallel postulate, area theory, constructions with ruler and compass; introduction to Riemannian and hyperbolic geometry and their models. This course is taught in alternate years.

MATH 485. SEMINAR IN PROBLEM SOLVING 1 hour

Prerequisite: MATH 217 and approval by department faculty.

This seminar consists of applying undergraduate mathematics to problems arising in local industries and various operations of the college in addition to textbook cases.

MATH 495. INDEPENDENT STUDY 1 hour

Prerequisite: Approval by department faculty.

Individual reading and problem solving in a field chosen in consultation with an instructor.

EDUCATION

EDUC 438. METHODS OF TEACHING MATHEMATICS 2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the second semester during the senior year.

MEDICAL TECHNOLOGY

Advisor: Henry Kuhlman

Students interested in a career in medical technology should complete three years of college in residence and twelve months of clinical training at a hospital whose program is approved by the Board of Schools, American Society of Clinical Pathologists. Upon completion of the clinical program, the degree Bachelor of Science with a major in medical technology is conferred by Southern Missionary College.

The minimum grade point average in required mathematics-science courses is 2.25. The total overall grade point average must be at least 2.00. (To affiliate at most hospitals, a minimum grade point average of 2.50, both overall and in mathematics-science, is required.) a maximum of four hours of grades less than C— in mathematics and science will be accepted. At least 20 of the 94 hours must be upper division.

Candidates for the Bachelor of Science degree from SMC with a major in medical technology must complete the following requirements:

MODERN LANGUAGES

Biology (including BIOL 125, 126, 155, 156) with BIOL 315, 417 highly recommended	17 hours
Chemistry (including CHEM 151:152; 311, 313) ..	16 hours
Physics, PHYS 211:212 and 213:214	8 hours
Mathematics, MATH 114	4 hours

General Education Requirements. General education requirements are the same as for other Bachelor degree programs, with the exception of the following total hours:

A. Man's God	9 hours
B. Man's Culture	12 hours
C. Man's Environment	12 hours
D. Man's Communication Needs	6 hours
E. Man's Labor and Recreation	4 hours

Electives to make a total of 94 hours.

Since the admission requirements of affiliating hospitals differ widely, the student should consult the bulletin of the hospital of his choice and follow its prescribed requirements.

MODERN LANGUAGES

Robert Morrison, Rudolf Aussner

This department offers the opportunity for students to discover French, German and Spanish not only as living languages but also as reflections of the cultures, customs and peoples they represent. The aim, then, is to provide both an esthetic background and a practical tool in the event the student becomes an overseas traveler or worker.

The ability to communicate with people is increasingly essential in today's shrinking world; and an acquaintance with a foreign culture should be part of the background of educated persons, particularly those with a sense of world mission. The Department of Modern Languages aspires toward helping Christians fulfill this responsibility to demonstrate good will, whether as travelers and business people or as respondents to the Master's gospel commission.

Major—German or Spanish: Thirty hours for the Bachelor of Arts degree excluding course 101:102, but including course 211:212.

Minor—German or Spanish: Eighteen hours excluding course 101:102, but including course 211:212 and six hours of upper-biennium courses.

Major—Language and Culture: Thirty hours for the Bachelor of Arts degree including the following:

MODERN LANGUAGES

GRMN (or SPAN) 211:212 — Intermediate German (or Spanish)	6 hours
GRMN (or SPAN) 344 — Composition and Conversation	3 hours
GRMN (or SPAN) 354 — Culture and Civilization	3 hours
ENGL 445 — World Literature	3 hours
MDLG 304 — Masterpieces in Translation	3 hours
ART 345 (or MUHL 315) — History of Art (or History of Music—4 hours)	3 hours
HIST 378 (or 354) — Modern Europe (or History of Latin America)	3 hours
Additional hours from language and literature, world geography, a second foreign language, or ART 345 or MUHL 315 (whichever is not taken above)	6 hours
Students desiring certification in German (or Spanish) must take these six hours in that language. Cognate requirement: In fulfilling the general education requirements in Religion, the student will include RELT 368, Comparative Religions (3 hours).	
Total	30 hours

SPECIAL COURSES

MDLG 304. MASTERPIECES IN TRANSLATION (B-2)

3 hours

A survey, team-taught, of great literary works from France, Germany, Spain and Spanish America, from the seventeenth century to modern times. Students desiring a complete survey of world literature may first enroll for ENGL 445, "World Literature," which covers the centuries up to the seventeenth. Applies toward general education requirements in literature, but not toward the major in German or Spanish. Taught alternate years.

GERMAN

GRMN 101, 102. ELEMENTARY GERMAN (B-3)

4,4 hours

A foundation course in the basic skills. May be waived by examination. Laboratory work is required. No credit will be allowed for elementary modern language if credit has already been received for it at the secondary level.

GRMN 211, 212. INTERMEDIATE GERMAN (B-3)

3,3 hours

Prerequisite: Entrance by standardized examination at required level.

Advanced grammar; intensive and extensive reading of moderately difficult prose and poetry; oral and written exercises. Laboratory work is required. The second semester, if enrollment permits, there will be two sections: a. Literary Program, b. Science Readings.

GRMN 344. COMPOSITION AND CONVERSATION (B-3)

3 hours

Prerequisite: GRMN 211:212 or equivalent.

An intensive course aiming at proficiency in understanding and speaking, at a practical knowledge of stylistics, and at ability in free composition. (Not open to German-speaking nationals.)

MODERN LANGUAGES

GRMN 347. THE GERMAN LANGUAGE (B-3)	2 hours
Prerequisite: GRMN 211:212. Recommended: GRMN 344.	
Introduction to the history and development of the German language. This course is offered in alternate years.	
GRMN 354. GERMAN CULTURE AND CIVILIZATION (B-3)	3 hours
The literary, artistic, intellectual, social, religious, economic, and political scene of present-day Germany, with a study of its development from the recent past.	
GRMN 355, 356. SURVEY OF GERMAN LITERATURE (B-2)	3,3 hours
A prerequisite for all subsequent literature courses; history and development of German literature; reading of representative works. This course is offered in alternate years.	
*GRMN 358. GERMAN ROMANTICISM (B-2)	2 hours
The poetry and prose of outstanding writers of this period, from Holderlin to Heine. This course is offered in alternate years.	
*GRMN 359. GERMAN SHORT STORIES (B-2)	2 hours
A course giving the student a survey of German short stories from Goethe's death (Romanticism) to the present. This course is offered in alternate years.	
*GRMN 364. CONTEMPORARY GERMAN LITERATURE (B-2)	2 hours
A course dealing with the different literary schools and periods from Naturalism to the Aftermath of World War II (Naturalism, Impressionism, and the related trends of Neoromanticism and Neoclassicism, Expressionism, and the Neo Matter-of-Factness, Literature and National Socialism (1933-1945), Aftermath of World War II). This course is offered in alternate years.	
GRMN 425. GERMAN LITERATURE OF THE AGE OF ENLIGHTENMENT (B-2)	2 hours
Foreign (French) and philosophical background of the period, changing attitudes in life and literature. Anacreontic poets. Young Goethe, Wieland, and Lessing. This course is offered in alternate years.	
*GRMN 445. GERMAN CLASSICISM (B-2)	2 hours
A course offering a comparison of Goethe and Schiller, Goethe's Classical Period (1787-1805), Schiller's Classical Period (1787-1805), and Goethe's Old Age (1805-1832). This course is offered in alternate years.	
GRMN 495. DIRECTED STUDY	2-6 hours
The content of this course will be adjusted to meet the particular needs of the individual student. Open only to German majors, or minors with the approval of the department head.	

SPANISH

SPAN 101, 102. ELEMENTARY SPANISH (B-3)	4,4 hours
A foundation course in the basic skills. May be waived by examination. Laboratory work is required. No credit will be allowed for elementary modern language if credit has already been received for it at the secondary level.	
SPAN 211, 212. INTERMEDIATE SPANISH (B-3)	3,3 hours
Prerequisite: Entrance by standardized examination at a required level. Advanced grammar; intensive and extensive reading of moderately difficult Spanish texts; oral and written exercises. At the discretion of the department, this course may be closed to Spanish-speaking persons with three credits in Secondary Spanish. Laboratory work is required.	

MODERN LANGUAGES

SPAN 344. COMPOSITION AND CONVERSATION (B-3) 3 hours

Prerequisite: SPAN 211:212 or equivalent.

Development of skill in speaking, understanding, and writing idiomatic Spanish. (Not open to Spanish or Latin-American nationals.)

SPAN 354. HISPANIC CULTURE AND CIVILIZATION (B-3) 3 hours

Prerequisite: SPAN 211:212 or equivalent.

The social, religious, political, economic, artistic, and intellectual scene in the Spanish-speaking world.

SPAN 355, 356. SURVEY OF SPANISH LITERATURE (B-2) 3.3 hours

Prerequisite: SPAN 211:212 or equivalent.

History and development of Spanish literature; reading of representative works. This course is offered in alternate years.

SPAN 365. SPANISH LINGUISTICS (B-3) 3 hours

Prerequisite: SPAN 211:212 or equivalent. Recommended: SPAN 344.

Introduction to the morphological, syntactic and phonemic structure of the Spanish language. Practice in sounds, intonation, and transcription; remedial pronunciation drills. This course is offered in alternate years.

***SPAN 445. THE GOLDEN AGE OF SPANISH LITERATURE (B-2)** 3 hours

Prerequisite: SPAN 211:212 or equivalent.

A study of the Classical Period of Spanish literature. This course is offered in alternate years.

***SPAN 455, 456. SURVEY OF SPANISH-AMERICAN LITERATURE (B-2)** 3.3 hours

Prerequisite: SPAN 211:212 or equivalent.

History and development of Spanish-American literature; reading of representative works. This course is offered in alternate years.

SPAN 495. DIRECTED STUDY 2-6 hours

The content of this course will be adjusted to meet the particular needs of the individual student. Open only to Spanish majors, or minors with the approval of the department head.

FRENCH

FREN 211, 212. INTERMEDIATE FRENCH (B-3) 3.3 hours

Prerequisite: Entrance by standardized examination at required level.

Advanced grammar; intensive and extensive reading of moderately difficult prose and poetry; oral and written exercises. Laboratory work is required.

EDUCATION

EDUC 438. METHODS OF TEACHING MODERN LANGUAGES 2 hours

Prerequisite: Admission to Teacher Education.

Learning and teaching a foreign language, in both theory and practical application, with special attention to goals, planning, classroom techniques, selection and utilization of materials and aids, and evaluation of student performance. Four lectures each week of the first half of the first semester during the senior year.

MUSIC

MUSIC

Marvin L. Robertson, Dorothy Ackerman, Bruce Ashton, Orlo Gilbert, Judith Glass, Jack McClarty, Don Runyan, Robert Sage

The Department of Music offers two baccalaureate degrees, the Bachelor of Music degree in music education, and the Bachelor of Arts degree in music; and an associate degree, with majors in organ, piano and voice.

ADMISSION REQUIREMENTS:

Music majors must fulfill all the general admission requirements of the college. In addition a prospective music major is required to take written and aural entrance examinations in music theory and a performance examination in the applied concentration. To obtain Freshman standing as a music major the student must qualify for MUCT 111 and MUPF 179.

Further information regarding the entrance examinations may be obtained by writing the chairman of the music department.

GENERAL REQUIREMENTS:

Functional Piano: All music majors must pass an examination in functional piano which includes the playing of hymns, scales, triads, arpeggios, several moderately easy compositions and accompaniments, and the harmonization of simple folk melodies. The functional piano examination should be passed during the first week of the first semester in residence or the student must register for applied piano instruction. MUPF 108, 109 and 129 are designed to help the student reach the required level of proficiency.

Applied Music Credit: One semester hour of credit will be allowed for 14 half-hour lessons with a minimum of five hours of practice per lesson. Applied music grades are assigned by a jury examination at the end of each semester.

Concert and Recital Attendance: A music major must attend 12 approved concerts per semester. Failure to meet this requirement will lower the student's applied music grade and possibly result in probationary status as a music major.

Music Ensemble Participation: All music majors are required to participate in a music ensemble every semester in full-time residence.

Senior Recital: The candidate for the Bachelor of Music degree or the Bachelor of Arts degree will present a senior recital. Upon music faculty approval the senior recital requirement may be partially fulfilled through a conducting or chamber music performance.

A faculty audition of the complete program must be scheduled at least four weeks before the recital date. Unsatisfactory performance at this audition will result in a rescheduling of the recital date.

MUSIC

JUNIOR STANDING:

Music majors must apply for Junior standing at the end of the sophomore year. The requirements for Junior standing are as follows:

- a. An overall grade point average of 2.0.
- b. A grade point average of 2.5 in all music courses.
- c. Completion of the functional piano requirement.
- d. Completion of MUCT 111:112, 121:122.
- e. Completion of four hours of MUPF 179 or equivalent.

Faculty evaluation of the application for Junior standing will result in the student receiving one of the following classifications:
a. Pass, Bachelor of Music; b. Pass, Bachelor of Arts; c. Probation; d. Fail, Junior standing requirements must be met at least two semesters before graduation.

BACHELOR OF MUSIC CURRICULUM:

The Bachelor of Music degree in music education is an NCATE approved degree which meets state and denominational certification requirements. Each student will be responsible to determine the additional courses that may be required for certification in the state of his choice. This information can be obtained at the Office of Admissions and Records or the Department of Education.

The following general education requirements apply only to students pursuing a Bachelor of Music degree:

A. Man's God including RELT 138 and PHYS 315	12 hours
B. Man's Culture including History 6 hours and HMNT 205	10 hours
C. Man's Environment	12 hours
1. Physical Environment, 6 hours	
2. Human and Social Environment including PSYC 124 and EDUC 125	
D. Man's Communication Needs	8 hours
1. ENGL 101, 102; JOUR 111, 316	
2. Speech	
E. Man's Labor and Recreation	6 hours
1. Applied Skills selected from FDNT, HMEC, AGRI 105	
2. Recreation selected from Health, P.E. and Recreation activity courses and/or PETH 263	

Bachelor of Music in Music Education Degree Requirements:

MUCT 111:112; 121:122; 211:212; 221:222 19 hours
(instrumental emphasis must take MUCT 313)

MUSIC

Music Ensemble	7 hours
MUHL 314:315	8 hours
MUPF 479	4 hours
MUED 356	2 hours

Additional Requirements for the Music Education Degree: (Choral Emphasis)

Applied Music Concentration (piano, organ or voice)	11 hours
Applied Music Secondary (selected in consultation with advisor)	4 hours
Music Education: including pedagogy in the applied concentration and two of the following: MUED 126, 136, 146, 156, 316, 416, 417	6 hours
(voice majors must include MUED 126)	

Education: including EDUC 316, 418, 425, 437, 438

16 hours

Additional Requirements for the Music Education Degree: (Instrumental Emphasis)

Applied Music Concentration (brass, woodwinds, strings, piano or organ)	11 hours
Applied Music Secondary selected in consultation with advisor. Preparation to meet deficiencies in the functional piano requirement may not be applied to the Applied Music Secondary	4 hours
Materials and Techniques: Choose three of the following: MUED 136, 146, 156, 316, 416	6 hours
Education: EDUC 316, 418, 425, 437, 438	16 hours

BACHELOR OF ARTS CURRICULUM:

The Bachelor of Arts in music is a non-professional degree designed to give the student a broad understanding of the musical heritage of man. This major consists of 40 hours including 14 upper biennium. Courses must include the following:

Music Theory including MUCT 111:112, 121:122, 211:212; 221:222	19 hours
MUHL 314:315	8 hours
MUPF 179 and 379	8 hours
Music Ensembles	5 hours

A student must complete all general education requirements of the college.

The foreign language recommended is either French or German. Through careful planning a student may fulfill state certification requirements within four years.

MUSIC

ASSOCIATE OF SCIENCE CURRICULUM:

The Associate of Science in music degree is designed to help those who are interested in private music teaching, church music, and music evangelism. The three areas of concentration are piano, organ and voice. Courses must include the following:

Music

Music Theory	8 hours
Music Concentration	8 hours
History of Music	4 hours
Pedagogy	4 hours
Ensemble	2 hours
Music Electives	11 hours

General Education to include:

Religion, including RELT 138	6 hours
ENGL 101:102	6 hours
HMNT 205	4 hours
EDUC 125	3 hours
PSYC 124	3 hours

MUSIC MINOR

Music Minor: Eighteen hours including the following:

MUCT 111:112	6 hours
MUPF 179	2 hours
Music Course Electives (including 6 hours upper biennium)	10 hours

Applied Music grades are assigned by a jury examination at the end of each semester.

MUSIC THEORY

MUCT 100. INTRODUCTION TO MUSIC THEORY 2 hours

A study of the rudiments and basic vocabulary of music theory. Does not apply toward a music major or minor.

MUCT 111:112. MUSIC THEORY I AND II 3,3 hours

Prerequisite: MUCT 100 or examination.

A study of the elements which render music of all periods aurally and visually comprehensible, within simple forms and a variety of textures from one to four voices.

MUCT 121:122. AURAL THEORY I AND II 1,1 hours

Keyboard and sight-singing applications of the materials introduced in MUCT 111:112. (Music majors must take this concurrently with MUCT 111:112.)

MUSIC

MUCT 211:212. ADVANCED MUSIC THEORY III AND IV	3,3 hours
Prerequisite: MUCT 111:112.	
An expanded and intensified study of the structure of music as begun in MUCT 111:112. In MUCT 212, contemporary music is emphasized.	
MUCT 221:222. ADVANCED AURAL THEORY III AND IV	1,1 hours
Keyboard and sight-singing applications of materials studied in MUCT 211:212. Music majors must take this concurrently with MUCT 211:212.	
MUCT 313. ORCHESTRATION AND ARRANGING	3 hours
Prerequisite: MUCT 111:112.	
The ranges, capabilities and limitations, transpositions of orchestra and band instruments. Idiomatic scoring of short works for vocal and instrumental chamber groups, small orchestra and band. Performance of exercises and analysis of scores is emphasized.	
MUCT 413. ANALYSIS OF MUSIC FORM	3 hours
Prerequisite: MUCT 211:212, or permission of instructor.	
An analytical study of musical structure from the smallest units of form to the more complex music of all historical periods.	

MUSIC HISTORY

MUHL 314:315. HISTORY OF MUSIC (B-4)	4,4 hours
Prerequisite: MUCT 111:112 or permission of instructor.	
A study of music literature from antiquity to the present, cultural backgrounds, development of music form and style, analysis of representative masterworks from each major period of music history. Two listening periods per week are required.	

MUSIC EDUCATION

MUED 126. SINGERS DICTION	2 hours
A study of the correct pronunciation of Italian, German, French, and English.	
MUED 136. STRING MATERIALS AND TECHNIQUES	2 hours
A study of the stringed instruments in class and a survey of teaching materials for class and private instruction.	
MUED 146. BRASS AND PERCUSSION MATERIALS AND TECHNIQUES	2 hours
A study of tone production, performance techniques, embouchure, fingerings, practical pedagogic technique and simple repairs. A survey of literature for the instruments and evaluation of teaching methods.	
MUED 156. WOODWIND MATERIALS AND TECHNIQUES	2 hours
A study of tone production, embouchure, fingerings, practical pedagogic technique and simple repairs. A survey of the literature for the instruments and evaluation of teaching methods.	
MUED 316. PIANO PEDAGOGY	2 hours
Prerequisite: Two hours of MUPF 179 or equivalent.	
Methods, materials and procedures for private and class piano instruction; planning a complete program for pupils on various grade levels including technic, repertoire and musicianship.	
MUED 356. SUPERVISION OF SCHOOL MUSIC	2 hours
A study of the basic philosophies, methods, and materials related to the teaching of music in the elementary school. Observation of and participation in the cam-	

MUSIC

pus school music program is required of all students. Open to music majors, minors, or by permission of the instructor.

MUED 416. ORGAN PEDAGOGY 2 hours

Prerequisite: Two hours of MUPF 179 or equivalent.

Methods, materials and procedures for instruction in organ; accompaniment of church services; registration of organ literature on various types of organs.

MUED 417. VOICE PEDAGOGY 2 hours

Prerequisite: Two hours of MUPF 179 or equivalent.

Methods, materials and procedures for private and class voice instruction; testing and classification of voices; physiological and psychological problems of voice production and diction.

CHURCH MUSIC

MUPF 200. MINISTRY OF MUSIC (E-2) 3 hours

A study of the rudiments of music, methods of conducting congregational singing, and principles and standards of music for the church.

APPLIED MUSIC

MUPF 108, 109. GROUP INSTRUCTION (E-2) 1,1 hours

Group instruction in voice, piano, or orchestral instruments. This course is designed for the beginning student.

MUPF 129. SECONDARY (E-2) 1-4 hours

Private instruction in voice, piano, organ, or orchestral instrument.

MUPF 179. CONCENTRATION (E-2) 1-4 hours

Prerequisite: Examination for Freshman standing.

Private instruction in voice, piano, organ, or orchestral instrument.

MUPF 329. SECONDARY (E-2) 1-2 hours

Private instruction in voice, piano, organ, or orchestral instrument.

MUPF 379. CONCENTRATION (E-2) 1-8 hours

Prerequisite: MUPF 179 for four hours or equivalent.

Private instruction in voice, piano, organ, or orchestral instrument.

MUPF 479. CONDUCTING TECHNIQUES (E-2) 4 hours

This course is designed to give the music student the requisite skills for conducting choral and instrumental groups.

†Courses MUPF 108, 109, 129 and 329 are open to any student of the college as elective credit toward the B.A. or B.S. degree. The music major or minor may not apply these toward his applied music concentration. Students desiring to study organ must pass the Functional Piano Examination.

Courses MUPF 179 and 379 are courses primarily for the music major and minor, but they may be elected by anyone who passes the examination for freshman standing. Jury examinations are required with these course numbers.

The following performance areas may be studied: voice, piano, classical guitar, organ, violin, viola, cello, double bass, flute, oboe, clarinet,

NURSING

saxophone, bassoon, trumpet, French horn, trombone, baritone tuba, and percussion instruments.

MUSIC ENSEMBLES

Music ensembles are open to all college students through audition. Each music ensemble meets three periods per week and offers one hour credit each semester; regular attendance at rehearsals is required. A student may not enroll concurrently in Concert Band and Collegiate Chorale.

Course numbers MUPF 178 and 378 do not fulfill the music ensemble participation requirement for music majors except those taking a keyboard concentration. Music majors other than those taking a keyboard concentration, who wish Instrumental Ensemble credit must be registered concurrently in Concert Band or Orchestra.

Ensembles on campus are organized and sponsored by members of the music staff.

MUPF 128, 328. CONCERT BAND (E-2)	1-4 hours each
MUPF 138, 338. ORCHESTRA (E-2)	1-4 hours each
MUPF 148, 348. COLLEGE CHOIR (E-2)	1-4 hours each
MUPF 158, 358. DIE MEISTERSINGER MALE CHORUS (E-2)	1-4 hours each
MUPF 168, 368. COLLEGIATE CHORALE (E-2)	1-4 hours each
MUPF 178, 378. INSTRUMENTAL ENSEMBLE (E-2)	1-4 hours each

EDUCATION

EDUC 231. MUSIC IN THE ELEMENTARY SCHOOL	3 hours
A course designed to prepare teachers to direct the music activities in the elementary school. The content includes fundamentals, appreciation, singing, playing, and rhythmic activities. Observation and participation in the music program of the elementary school is required. Three hours lecture and one hour laboratory work per week.	
EDUC 438. METHODS OF TEACHING MUSIC	2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to Methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

NURSING

Chairman: Ina Longway

Faculty—Ruth Abbott, Ruby Birch, Eleanor Brown, Marilyn Carter, Carol Craig, Lenna Lee Davidson, Elfa Edmister, Ellen Gilbert, Dorothy Hooper, Phil Hunt, Bernadine Erwin, Theresa Ken-

NURSING

nedy, Connie Knight, Marie Krall, Katie Lamb, Janet Meyers, Feliza Mopera, Delores Mountz, Doris Payne, Christene Perkins, Barbara Platt, Nathan Rice, Mildred Robbins, Patricia Rushing, Anita Schultz, Patricia Scott, Christine Shultz, Shirley Spears, Donna Spurlock, Barbara Straight, Patricia Sutton, Elvie Swinson, Carol Thomas, Erma Webb.

PHILOSOPHY

God is the One in whom we live and move and have our being. In the beginning when God created man in His image it was His purpose that man should throughout his life ever more fully reveal the image of his Creator. But sin brought about feelings of distrust in man of his fellow man and of God, and a great sense of personal insecurity. Sin also weakened his physical powers, lessened his psychosocial capacity, and dimmed his spiritual vision. Man then became subject to various health problems.

Nursing is a progressive science, art, and profession utilizing knowledge from many physical and psychosocial disciplines in assisting individuals and groups to solve health problems. While nursing shares with other health care providers the goals of maintaining and promoting optimal health, it is unique in that it provides for the activities of daily living through its nurturing role and coordinates the health care according to observations of behavioral response of the patient-client. Nursing also includes preventive and creative roles. The nurse can most effectively fill these roles through a consistent relationship with Christ which enables him to assist others to live, move, and have being.

As the roles of the nurse have become more complex, the differentiation of responsibilities of nurses has created a need for nursing personnel with different preparations. The implication for nursing education is that it must provide curricula to educate a clearly defined practitioner on each level of practice. To meet this need, provision is made for a student to terminate at the Associate degree level or progress to the Baccalaureate level.

The A.S. graduate will primarily provide nurturing and coordinating aspects of nursing in a circumscribed setting. This graduate will assess the level of wellness of the patient/client using predetermined criteria and techniques, will plan and implement predetermined intervention, and will function in predetermined leadership roles. These roles will include team leading and directing auxiliary personnel.

In a variety of settings the B.S. graduate will provide preventive, creative, and coordinative aspects of nursing. The nurse practicing at this level will consider alternatives and implement predetermined and/or creative intervention, function in an innovative leadership role, participate in clinical research and share findings with other health care workers and/or consumers.

DESCRIPTION OF PROGRAM

Beginning in the fall of 1975 all students, both Baccalaureate and Associate degree, entered the Division of Nursing in the same lower divi-

NURSING

sion nursing courses. The new program enables students to progress from an Associate to a Baccalaureate degree without loss of time or credit.

The requirements for the A.S. degree in nursing may be completed in two academic years, plus half of a summer session. At this time the student is eligible to write State Board Examinations for licensure to become a Registered Nurse. Students may choose to terminate the program at this point and practice nursing immediately, but it is anticipated that many will want to complete the junior and senior years to earn the baccalaureate degree.

The curriculum in the lower division consists of modules, or learning packets, providing the student with objectives and learning experiences. Students work in small groups with a readily available instructor.

The second semester of the freshman year is taken in Madison, Tennessee, and for 1976-77 the junior year will be in Orlando, Florida. At both Madison and Orlando, we have our own dormitories, and there is a Seventh-day Adventist hospital for clinical experiences.

ACCREDITATION

The program in nursing is fully accredited by the Board of Review for Baccalaureate and Higher Degree Programs and Associate of Science Degree Programs of the National League for Nursing; it is approved by the National League for Nursing to admit registered nurse students to the curriculum; it is registered with the Board of Regents of the Department of Education of the General Conference of Seventh-day Adventists; and it is approved by the Tennessee Board of Education.

REQUIREMENTS FOR ADMISSION

Minimum requirements for admission to the Division of Nursing.

1. Acceptance to Southern Missionary College.
2. High school GPA of 2.35 minimum on solids (math, science, English, history, foreign language).
3. A grade of C or better in each semester of high school chemistry.
4. Minimum ACT standard score of 15 in English and composite.
5. A student who does not meet the high school GPA or ACT requirements may remove these deficiencies by attending SMC for at least one semester during which he takes a minimum of 12 semester hours in general education courses leading to nursing, with a current and cumulative GPA of at least 2.10.
6. A student who does not meet the high school chemistry requirement may remove this deficiency by taking one semester of college chemistry and earning a C or better.
7. A grade of at least C— is required in each nursing cognate with a minimum GPA of at least 2.00.

NURSING

8. Following application to Nursing Admissions Committee, transfer students from another major or another college will be evaluated individually and assisted in fitting into the program.

Applications to the Division of Nursing, transcripts and ACT scores should be in the office of admissions and records by March 1 for the fall class and by October 15 for the winter class.

Class size is limited and a new class is begun each semester.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

ADMISSION REQUIREMENTS FOR LAST TWO YEARS OF NURSING

1. To enter upper division nursing, the nurse should hold current licensure or, if a new graduate, sit for the state board examinations at the first available date following graduation. All students must hold current registered nurse licensure before entering the senior year.
2. All registered nurses who have graduated within the past five years will receive credit for lower division nursing content. Those who were registered before this time but who have satisfactory current nursing experience will be evaluated on an individual basis.
3. All graduates of a state approved A.D. Nursing Program will have met general education requirements for the first two years of the program.
4. The general education courses of graduates from non-collegiate programs will be evaluated on an individual basis.
5. General education courses to be applied as upper division credit will be evaluated on an individual basis.
6. If the student does not have high school physics, a course in physics (either high school or college) will have to be taken before entering the junior year or in place of the free elective in the junior year.

Requirements for R.N. and Graduate Nurse Students

1. To enter upper division nursing, the nurse should hold current licensure or, if a new graduate, should have taken the state board examinations. All students must hold current registered nurse licensure before entering the senior year.
2. All registered nurses who have graduated within the past five years will receive credit for lower division nursing content. Those who were registered before this time but who have satisfactory current nursing experience will be evaluated on an individual basis.

NURSING

3. Students who have credit for any general education course taken in an accredited college setting will receive credit. Others may challenge, take CLEP examinations, or take the course.
4. Students must complete all nursing validating examinations before registering for nursing courses.
5. Students must complete NRSG 315 or its equivalent before entering any senior nursing course.
6. Students must complete all or be currently enrolled in the remaining required cognate courses before permission will be granted to enroll in Community Health Nursing and Concepts and Practice of Comprehensive Nursing.

GENERIC JUNIOR AND SENIOR BACCALAUREATE STUDENTS (Old Program)

The present baccalaureate junior and senior nursing students will continue with the requirements from the CATALOG under which they entered.

TRANSFER STUDENTS

Transfer students will be evaluated individually and assisted in fitting into the program.

CHALLENGE POLICY

A licensed practical nurse may challenge Basic Nursing I and II. An ex-Army medic may challenge Basic Nursing I.

CURRICULUM

I. First and Second Years (leading to A.S. degree in nursing)

	1st Year				2nd Year			
	1st		2nd		1st		2nd	
	Sem.	Sem.	Sem.	Sem.	Sem.	Sem.	Sem.	Sem.
Religion		3			Religion		3	
Anatomy & Physiology	3				Microbiology			3
Nutrition	3				Anatomy & Physiology		3	
Nursing 105, 116	4	7			Nursing 216, 217		8	8
Composition or Sociology	3	3			Sociology or Composition		3	
Developmental Psychology	2	2			Elective (Man's Culture)		3	
	—	—			P.E.		1	
					Nursing 219		1	
	15	15					—	—
							17	16

Summer

Nursing 215

3

NURSING

The nursing courses, Basic Nursing 105, 116, 216 and 217 must be taken in sequence. Nursing 116 is taught only in Madison. Nursing 215 is offered only in the summer on the Collegedale campus and a student must have taken Basic Nursing 105 and 116 before entering this course. General education courses which will be taught in Madison are Religion, Sociology, Developmental Psychology II, and one section of College Composition.

II. Third and Fourth Years (Tentative) (leading to the B.S. degree in nursing)

	3rd Year				4th Year			
	1st	2nd	Sem.	Sem.	1st	2nd	Sem.	Sem.
	Religion	Nursing			Religion	Nursing		
Religion	3	5	3	3	Human & Social Elective	12	3	7
Nursing	5	5			(Man's Environment)			
Chemistry					Nursing (Pathophysiology)	4		
Elective (Man's Culture)	3	3						
Free Elective	3							
Personnel Administration			3				—	—
Speech			2				16	13
	—	—						
	17	16						

Students will have part of their course work in Orlando. The time will be determined later.

NRSG 105. BASIC NURSING I: FOUNDATIONS 4 hours

Co-requisites: Nutrition, Physiology, Chemistry (if no high school chemistry).

This course is designed as an introduction to the physical, psychosocial, and spiritual aspects of health care. The student is assisted in developing an understanding of the role of the nurse, and the skills common to all areas of nursing.

NRSG 116. BASIC NURSING II: MENTAL-HEALTH AND MEDICAL-SURGICAL 7 hours

Prerequisite: BIOL 106, FDNT 125.

A course designed to provide nursing students with the theory and practice of nursing in dealing with selected basic needs of persons in the various developmental stages. This includes promoting physical, psychosocial, and spiritual health, intervening in illness, and assisting in rehabilitation. (Five hours Medical-Surgical; two hours Mental-Health.)

NRSG 215. BASIC NURSING III: PARENT-CHILD 3 hours

Prerequisite: PSYC 126.

A course designed to provide nursing students with the theory and practice of family-centered care of children during health and illness.

NRSG 216. BASIC NURSING IV: MENTAL-HEALTH, PARENT-INFANT, & MEDICAL-SURGICAL 8 hours

Prerequisite: PSYC 127.

A course designed to provide nursing students with the theory and practice of nursing in continuing to deal with selected basic needs of persons throughout the

NURSING

life-span. This includes promoting physical, psychosocial, and spiritual health, intervening in illness and assisting in rehabilitation. (Two hours Medical-Surgical; four hours Parent-Infant; and two hours Mental-Health.)

NRSG 217. BASIC NURSING V: CRITICAL CARE AND LEADERSHIP 8 hours

Prerequisite: BIOL 105.

A course designed to provide nursing students with the theory and practice of dealing with complex needs of persons in critical care areas with beginning leadership concepts.

NRSG 219. TRENDS 1 hour

A course designed to assist the student in recognizing the impact which historical events and current trends have upon the future of nursing. It also includes an orientation to the problems and responsibilities of the registered nurse as an individual practitioner.

NRSG 317:318. CONCEPTS AND PRACTICE OF NURSING III AND IV 13 hours

Prerequisite: Completion of NRSG 315:316.

Continued theory and practice of nursing with added responsibilities in becoming increasingly self-directive in dealing with selected basic needs of man through the life span in promoting health, intervening in illness and assisting in the rehabilitation continuum. Stress is placed on leadership aspects of the nurses' role.

NRSG 415:416. COMMUNITY HEALTH NURSING 6,6 hours

Prerequisite: Completion of NRSG 315:316 and 317:318.

A course which includes concepts and practice of nursing intervention measures with emphasis on total family health within the community; and of nursing intervention for individuals and families who have experienced extreme emotional responses. This course combines public health and psychiatric nursing.

NRSG 417. NURSING ASSESSMENT 4 hours

Prerequisite: Completion of NRSG 315:316 and 317:318.

A course designed to provide opportunity for the senior baccalaureate student to begin preparation for the expanded role of clinical practitioner in the primary and ongoing care facility. Enables the student to develop skills in data collection, interpretation, and implementation through history taking, the physical examination (including observation, percussion, palpation, auscultation and other tools), health planning, counseling, and group teaching.

NRSG 495. INDEPENDENT STUDY 1-3 hours

Prerequisite: Approval of departmental chairman.

Individual study in a field chosen in consultation with the instructor.

NRSG 499. TRENDS AND RESEARCH IN CONTEMPORARY NURSING 3 hours

An introduction to research methodology and theory development in nursing. Examination of career choices and expanding goals. Discussion of leadership responsibilities including administrative principles.

NRSG 325. PATHOPHYSIOLOGY 4 hours

A study of selected principles of physiology, with special attention to alterations due to the disease process.

OFFICE ADMINISTRATION

OFFICE ADMINISTRATION

Richard Stanley, Joyce Cotham

The courses in this area of study are designed to prepare students for secretarial and office management positions in denominational institutions, as well as in the business world.

All majors must arrange their total program with a teacher in the Office Administration Department and have the program approved by the department.

The student's program will be individualized. Approval will be granted if the program shows evidence of having both balance and diversity, if the program meets the needs of the student professionally, and if all general education and major requirements are fulfilled.

Major: Thirty-six hours for the Bachelor of Science degree, including SECR 117, 214, 215, 216, 218. ACCT 121 and CPTR 125 are to be taken as cognate requirements. ACCT 122, ECON 224; 225; and BUAD 337, 338; and PSYC 124 are highly recommended.

A student looking forward to service as a medical secretary should plan to take SECR 118 and 316. BIOL 105, 106 should be taken as partial fulfillment of the general education natural science requirement. SECR 117 may be omitted in pursual of this program.

Minor: Eighteen hours including six hours of upper division credit.

ASSOCIATE OF SCIENCE DEGREE IN OFFICE ADMINISTRATION

Two-Year Curriculum in Office Administration: Sixty-four hours are required for the Associate of Science Degree in Office Administration including SECR 117, 214, 215, 216, 218 and ACCT 121; ENGL 101:102. No credit will be allowed for SECR 105 if one year of typing has been completed in high school. No credit will be allowed for SECR 115 if two years of credit have been obtained in high school.

A student who wishes medical emphasis in the Associate of Science Degree should plan to take SECR 118 and 316 and BIOL 105 and 106. SECR 117 may be omitted in pursual of this program.

CERTIFICATE IN CLERICAL WORK

One-year curriculum: Thirty-two hours are required for the certificate program, including SECR 117, 214, 216, 217, 218 and BUAD 128; ENGL 101:102; Physical Education, one hour; Religion, three hours; and electives sufficient to make a one-year total of 32 hours.

SECR 104. SHORTHAND I (E-1)

4 hours

The fundamental principles of Gregg Shorthand are presented using the Individual Progress Method. Students will progress on tapes at their own rates. (Shorthand II may be started as soon as Shorthand I is completed.) Five class periods each week.

OFFICE ADMINISTRATION

SECR 105. BEGINNING TYPEWRITING (E-1)	2 hours
Five class periods each week. One hour laboratory a week is required. Basic keyboard fundamentals; development of manipulative techniques; development of speed and accuracy on straight copy material and problems; introduction to business letters; simple tabulation. For students with no previous training in typewriting. Students with one year of high school typewriting receive no credit. Thirty-five words a minute for 5 minutes is required.	
SECR 114. SHORTHAND II (E-1)	4 hours
Prerequisites: SECR 115 or equivalent and SECR 104 or equivalent to one unit of high school shorthand.	
A continuation of individual progress instruction in which students progress at their own rates. Minimum speed goal is 80 words per minute for five minutes, with a maximum error limit of 20. (Shorthand III may be started as soon as Shorthand II is completed.) Five class periods each week.	
SECR 115. INTERMEDIATE TYPEWRITING (E-1)	2 hours
Prerequisite: SECR 105 or equivalent.	
Three class periods each week. Two hour laboratory a week is required. Continuation of 105; improvement of basic skills; business letter production; tabulated reports; manuscripts; special business forms. Students with two years of high school typewriting receive no credit. Fifty words a minute for 5 minutes is required.	
SECR 117. OFFICE ADMINISTRATION PROCEDURES (E-1)	3 hours
Prerequisite: Consent of instructor.	
A study of filing systems, grooming, business ethics, and various procedures used by a secretary. Taught in alternate years.	
SECR 118. MEDICAL OFFICE ADMINISTRATION PROCEDURES	4 hours
Prerequisite: Consent of the instructor.	
A study of filing systems, grooming, business and medical ethics, and procedures used by a medical secretary. Taught in alternate years.	
SECR 214. ADVANCED TYPEWRITING (E-1)	2 hours
Prerequisite: SECR 115 or equivalent.	
Three class periods each week. Two hour laboratory a week is required. Preparation of final copy from rough drafts; and typing of financial statements, and simple and complex statistical and similar tables, and direct process duplicators. Sixty words a minute for 5 minutes is required.	
SECR 215. SHORTHAND III AND TRANSCRIPTION	5 hours
Prerequisites: SECR 114 and 214.	
A continuation of shorthand skill building in which students progress at their own rates. Minimum speed requirement is 90 words per minute for five minutes with a maximum error limit of 22. Emphasis is also given to shorthand transcription with emphasis on mailable transcripts. Seven class periods each week.	
SECR 216. VOICE TRANSCRIPTION	3 hours
Prerequisite: ENGL 101:102; SECR 115 or the equivalent.	
A course in the operating of voice-writing equipment emphasizing business English, mailable transcription, and the IBM Executive typewriter.	
SECR 217. ADVANCED VOICE TRANSCRIPTION	2 hours
Prerequisite: SECR 216.	
An advanced course in operating voice-writing equipment in emphasizing mailable transcriptions.	

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SECR 218. BUSINESS MACHINES (E-1) 2 hours

Prerequisite: ACCT 121 or equivalent.

The theory and practice in the application of the following office machines to accounting procedures; key-driven, printing and rotary calculators, full keyboard and ten-key adding machines, and electronic calculators.

SECR 315. BUSINESS COMMUNICATIONS 3 hours

Prerequisite: ENGL 101:102.

A study and application of the modern practices in oral and written business communications. Accuracy in grammar, spelling, and punctuation, and the writing of well-knit sentences and clear paragraphs are taught as a means of effective expression in business-letter writing.

SECR 316. MEDICAL TERMINOLOGY 4 hours

Prerequisite: SECR 215 or equivalent.

A study of medical terms—their pronunciation, their spelling, and their meaning. Four class periods each week. Taught in alternate years.

SECR 355. BUSINESS AND OFFICE MANAGEMENT 3 hours

Major emphasis is placed on application of business management principles to the problems of the businessman and on the organizing of business and secretarial offices. Attention is given to the training of office employees, selection of equipment, and flow of work through the office. Taught in alternate years.

SECR 455. THE LEGAL SECRETARY 3 hours

Emphasis is given to studying the terminology and duties of a legal secretary. Pronunciation, spelling, and meaning of legal terms are emphasized. Transcription of mailable documents is stressed. Taught in alternate years.

SECR 465. APPLIED OFFICE PRACTICE 1-2 hours

For Office Administration majors and prospective business teachers. This course is based on an activity program which provides practical experience in representative types of office situations. Students wishing emphasis in the medical office area will be placed in a medical organization to receive this experience.

SECR 485. SECRETARIAL SEMINAR 3 hours

The practice and discussion of general office procedures. Primary emphasis is on the project or "practicum" method. There are six projects. The student will be exposed to the entire situation in each project and will be asked to develop solutions most appropriate on the job.

SECR 495. PROBLEMS IN OFFICE ADMINISTRATION 1-2 hours

Prerequisite: Open only to seniors majoring in Office Administration.

Problems are assigned according to the experience and interests of the student.

EDUCATION

EDUC 438. METHODS OF TEACHING BUSINESS 2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the first semester during the senior year.

PHYSICS AND COMPUTER SCIENCE

Ray Hefferlin*, Henry Kuhlman, Robert McCurdy

Physics bridges the gap between mathematics and logic on one hand, where absolute certainty can be obtained about abstract ideas, and most

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of human thinking on the other hand, where only tenuous knowledge exists about the solutions to very real and pressing problems. Physics attempts to obtain progressively more precise solutions to clearly defined problems more and more representative of the real world. This attempt includes modeling, simulation and control using numerical, analytical, analog and experimental methods. It not only presents the possibility of a challenging career, but also contributes heavily to the life-experience of non-technical people.

The department is concerned with the preparation of technically-minded students for challenging careers in pure physics or in physics applied to other fields. It is attempting to demonstrate to non-technical students the value of using physics in their areas of interest (PHYS 107, 225, 226 and 227). It is committed to exploring with all students the areas where physics touches on religious and ethical values (PHYS 155, 228 and 315). Throughout it makes extensive use of the excellent digital computer facilities at SMC.

Students planning to do graduate work in computer science should consult with the department head as early as possible to facilitate meeting graduate school entrance requirements. Proper use of PHYS 499 will fulfill requirements.

Major: Thirty hours for the Bachelor of Arts, including PHYS 213:214, 310, and 315; and CPTR 125, and excluding other courses in Computer Science.

Major: Forty hours for the Bachelor of Science, including no more than three hours from courses numbered PHYS 155, 225, 226, 227, 228. CPTR 125 is applicable.

Minor in Physics: Eighteen hours, including six hours upper biennium. CPTR 125 may be included.

Minor in Computer Science: Eighteen hours including CPTR 318 or 319. PHYS 499 is applicable. Permission of the department head should be sought for variations in this minor requirement. This minor is compatible with either major in Physics.

ASSOCIATE OF SCIENCE DEGREE IN COMPUTER SCIENCE

Two-year curriculum comprising a general core, with election of either a mathematics or business emphasis, plus general education requirements and electives make a total of 64 hours for the degree.

Requirements are as follows: CPTR 125, 219, 318, ACCT 121, MATH 215, SECR 105 (or one year of high school typing or pass a 35 wpm speed test), three hours of electives in Computer Science; (A) Mathematics Emphasis—CPTR 218, MATH 114, 115, five hours of electives in Mathematics at 200 level or above; or (B) Business Emphasis—CPTR 217, ACCT 122, 318, BUAD 334, three hours of electives in Accounting.

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PHYSICS

***PHYS 105. PHYSICAL SCIENCE (C-1)** 3 hours

(See Chemistry Department listings.)

PHYS 107. INTRODUCTION TO PHYSICS (C-1) 3 hours

A general education course stressing the methods of physics, the application of physics and laboratory work which can be done with simple materials. Laboratories include the use of calculators and the computer to do arithmetic, the estimation of numerical quantities and errors, and the construction of apparatus with which to make observations. Does not apply on major or minor in physics. Two hours lecture, three hours laboratory each week.

***PHYS 155. DESCRIPTIVE ASTRONOMY: CREATION VS. EVOLUTION (C-1)** 3 hours

Constellations and eclipses, astronomical instruments, time and the date line and calendars, astronomical objects with their motions and distances, energy processes in stars and quasars and pulsars, black holes, the infinity (?) and expansion (?) of the universe. Cosmology, the formation and subsequent histories of the solar system and the earth, radioactive and radiocarbon age dating. Life on other worlds. Astronomy and the Bible. This course, dealing as it does with the physical aspects of the history of the earth and universe, complements BIOL 325, which deals with the biological aspects. Three hours lecture each week, with the occasional substitution of an observation period.

PHYS 211:212. GENERAL PHYSICS (C-1) 3,3 hours

Prerequisite: MATH 114.

A general education course stressing the algebraic and trigonometric treatment of mechanics, heat, sound, light, electricity and magnetism, and "modern physics." Applies on the basic science requirement as a non-laboratory science if taken alone, and as a laboratory science if taken with PHYS 213:214.

PHYS 213, 214. GENERAL PHYSICS LABORATORY (C-1) 1,1 hours

Prerequisite: Previous or concurrent enrollment in PHYS 211:212.

Laboratory experience designed to illustrate the material in lectures, to familiarize the student with useful measuring apparatus, and to encourage a systematic development of scientific curiosity, caution, and method.

***PHYS 217, 218. EXTRA HOUR OF GENERAL PHYSICS** 1,1 hours

Prerequisites: Concurrent or previous enrollment in PHYS 211:212; and MATH 217.

One class period per week on advanced problems and derivations based upon General Physics.

***PHYS 225. SCIENTIFIC BASIS OF MUSIC** 1 hour

A mini-course on the physical phenomena associated with pitch, timbre, beats, loudness, and duration. Physical properties of musical instruments and musical synthesizers. Tone combinations and vibrato. Design and chance in music. Mathematical involvement will be limited to arithmetic solution of simple equations, some of which will be performed by the computer. Two class periods per week for the first half of the semester.

***PHYS 226. PHYSICS OF ART** 1 hour

Representation in paintings, of perspective, action, weight, space-time, and atoms. Illusions such as in the work of Escher and in the apparent size of the moon at various heights. Various means of producing three-dimensional impressions. Elements of computer art. Two class periods each week for the second half of the semester.

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*PHYS 227. COLOR, SOUND, AND FORCE IN INTERIOR DESIGN	1 hour
Color "addition" and "subtraction." The effects of different lighting. Measurement of lighting. Quality of sound. Echo. Suppression of noise. Measurement of sound and noise. Arches. Mathematics necessary: arithmetic. Two class periods each week for the first half of the semester.	
*PHYS 228. TECHNOLOGY AND SCIENCE IN SOCIETY	1 hour
A general education course stressing the concepts of physics, and their applications to society, without mathematical derivations. "Atomic" weapons and nuclear power, population growth projections, pollution and the environment, mass transportation, computers vs. privacy. The relation of basic research to technology. Ethical responsibilities of the scientist and the public. Two class periods each week scheduled during the second half of the semester.	
PHYS 310. MODERN PHYSICS	3 hours
Prerequisite: PHYS 211:212; MATH 115.	
Continuation and conclusion of PHYS 211:212. Relativity, quanta, atomic structure, nuclear properties and radiations, nuclear power, and wave mechanical calculations in one dimension. This course is designed with the needs of chemistry, biology, mathematics and computer science students in mind. The student will use computer programs for relativistic motion, for nuclear decay, and for atomic wave functions. Three hours lecture each week. Research experience is available in PHYS 499.	
*PHYS 313. PHYSICAL OPTICS	3 hours
Prerequisites: PHYS 211:212; MATH 217.	
Refraction, reflection, interference, and absorption of light are discussed from the standpoint of the ray and especially of the wave theories of light. Laboratory experience is available in PHYS 499.	
*PHYS 314. KINETIC THEORY	3 hours
Prerequisites: PHYS 217, 218; MATH 217.	
Many properties of gases, liquids, and solids are derived from the assumption that matter is composed of small particles in motion. Three hours lecture each week.	
*PHYS 315. ISSUES IN PHYSICAL SCIENCE AND RELIGION (C-1)	3 hours
Prerequisite: One year of high school physics or chemistry or one semester of college physics or chemistry.	
Issues in modern physical science including "heat death of the universe," "free will of matter," "annihilation and creation of matter," and the difficulty in visualizing recent models of matter. Evolutionary naturalism as a very current viewpoint. Axiomatics. This course applies to the general education requirement for Science and Mathematics, or Religion. This course may also apply toward a Religion or Physics major or minor. No lab required. Research experience is available in PHYS 499.	
*PHYS 316. ELECTRONICS	4 hours
Prerequisite: MATH 104, elementary knowledge of electricity.	
DC and AC circuits, filters, transducers, solid state devices, power supplies, oscillators, amplifiers, and scientific devices. Designed to be useful to students in the physical sciences and in communications. Two hours lecture and five hours laboratory each week.	
PHYS 410. ANALYTIC MECHANICS	3 hours
Prerequisites: PHYS 310, MATH 315.	
The motion of a particle in gravitational and other classical fields is attacked using the techniques of differential equations. The behavior of systems of particles,	

PHYSICS

solids, and liquids are discussed. Special functions, vector theorems, transforms, and tensors are introduced as needed. Students will be expected to write software to display solutions to mechanical systems with numerical and analog computers.

PHYS 411:412. ELECTRICITY AND MAGNETISM 3,3 hours

Prerequisites: PHYS 310, MATH 315.

Analysis of electrical circuits. Electrostatic and magnetostatic fields, and the motion of charges therein. Maxwell's equations and the consequent prediction of electromagnetic waves. Applications to modern atomic and nuclear theory are stressed. Complex mapping, vector theorems, transforms, and special functions will be used after being introduced or reviewed. Computer programs will be written for special functions and for particle orbits. Laboratory experience is available in PHYS 499.

***PHYS 418, 419. ADVANCED MODERN PHYSICS** 3,3 hours

Prerequisites: PHYS 310, MATH 315; Concurrent enrollment in PHYS 410 and 411:412; and MATH 316 and 317.

An advanced treatment of atomic and nuclear physics, elementary particles, wave mechanics, relativity, and other topics on the frontiers of physics. Research experience is available in PHYS 499.

PHYS 499. ADVANCED LABORATORY, PROBLEMS AND RESEARCH 1-3 hours

Prerequisite: Consent of instructor.

This course consists of individual or group work adjusted to meet particular needs in Physics or Computer Science. Approval must be secured from the department head prior to registration. May be repeated for credit up to six hours.

COMPUTER SCIENCE

CPTR 125. INTRODUCTION TO COMPUTING (E-1) 3 hours

An introduction to computer usage. Use and application of existing programs selected from many fields of interest. Information storage, editing and retrieval. Basic programming, programs and program structure.

CPTR 135. COMPUTER SCIENCE TOPICS 1 hour

Topics selected from machine architecture, organization, machine language, special purpose high level languages, trends in computer science; selected current literature and problems. May be repeated up to three hours.

CPTR 217. COBOL PROGRAMMING LANGUAGE (E-1) 3 hours

Prerequisite: CPTR 125.

Semantics and syntax of Cobol. Emphasis is placed on business problems using the Cobol Language.

CPTR 218. FORTRAN AND ALGORITHMIC LANGUAGES (E-1) 3 hours

Prerequisite: CPTR 125 or permission of instructor.

Syntax and semantics of arithmetic expressions and statements. Precedence hierarchy of arithmetic operations and relational operators. Global properties of algorithmic languages including scope declarations, storage allocation, grouping of statements, and subroutines. List processing, string manipulation, data description, and simulation languages.

CPTR 219. SYMBOLIC ASSEMBLER LANGUAGE (E-1) 3 hours

Prerequisite: CPTR 125 or the permission of the instructor.

Computer structure, machine language, instruction execution, addressing techniques, and digital representation of data. Computer systems organization, Symbolic coding and assembly systems and program segmentation and linkage. Sys-

RELIGION

tems and utility programs, programming techniques, and recent developments in computing. Several computer projects to illustrate basic machine structure and programming techniques.

CPTR 318. DATA STRUCTURES

3 hours

Prerequisites: CPTR 218 and 219.

Basic concepts of data. Linear lists, strings, arrays, and orthogonal lists. Representation of trees and graphs. Storage systems and structures, and storage allocation and collection. Multilinked structures. Formal specification of data structures, data structures in programming languages, and generalized data management systems.

CPTR 319. SYSTEMS PROGRAMMING

3 hours

Prerequisites: CPTR 218 and 219.

Review of batch process systems programs, their components, and operation characteristics. Implementation techniques for parallel processing of input-output and interrupt handling. Overall structure of multiprogramming systems on multiprocessor hardware configurations. Addressing techniques, core management, file system design and management, system accounting, and other user-related services. Traffic control, interprocess communication, design of system modules, and interfaces.

EDUCATION

EDUC 438. METHODS OF TEACHING PHYSICS

2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances. the survey and evaluation of textbooks. Four lectures each week of the first half of the second semester during the senior year.

RELIGION

Douglas Bennett, Robert Francis, Jerry Gladson, Lorenzo Grant, Frank Holbrook, Albert Liersch, Helmut Ott, Ronald Springett*, Edwin Zackrison*

The Department of Religion offers two majors to provide for the diversified interests and ambitions of students. A Bachelor of Arts degree in theology serves candidates for the ministry of the Seventh-day Adventist Church, providing the undergraduate academic preparation for the Theological Seminary of Andrews University, Berrien Springs, Michigan. Also, the department offers a Bachelor of Arts degree in Religion for students who may be preparing to serve as a secondary teacher, Bible Instructor, Chaplain's Assistant, residence hall dean in denominational institutions, and those who may be preparing for various other professions, such as medicine, dentistry, and law. All majors must arrange their programs with a teacher in the Religion Department and have that program approved by the department. Each program will be individualized for the student and approval will be granted on the following considerations: first, evidence of a program having both balance and diversity; second, the needs of each student professionally and individually must be considered; and third, all general education and major requirements must be fulfilled.

RELIGION

Beyond these objectives, the department is also endeavoring to help both the major and non-major students develop a personal religious life in commitment and service as well as to enhance their appreciation and understanding of God as Creator and Redeemer. It also seeks to enlarge the student's appreciation and comprehension of the Bible as the infallible rule of faith and practice for the Christian.

Religion Major: Thirty hours for the Bachelor of Arts degree in the categories designated Bible and Religion including RELB 335, 336, 425, 426, 445, 446; also RELT 138 and 485. One of the following is also required: RELB 125 or RELT 155 or 225 (155 recommended).

Those interested in secondary teaching will also fulfill the following cognate requirements: RELL 271:272; 311:312. MUPF 200 and HIST 364, 365 are recommended to fulfill the General Education requirements.

Students desiring to prepare for secondary teaching should work closely with the Education Department in meeting certification requirements as approved by NCATE. A sequence schedule of required and recommended courses is available in the Department of Religion.

Students preparing to serve as Bible Instructors will take the thirty-hour Religion major. RELP 235 will be a cognate requirement. Greek may be elected in meeting the general education requirement. In place of a minor, a second major is recommended to be worked out in counsel with the chairman of the department. A schedule of recommended courses is available upon application to the Department of Religion.

Students looking toward the ministry must make initial application to the Committee on Ministerial Recommendations during the first semester of their sophomore year. Information and application forms for this purpose will be supplied by the Department of Religion. The favorable action of the Committee on Ministerial Recommendations will be prerequisite to acceptance and/or sponsorship to the Theological Seminary, or to appointment to field responsibility in the ministry of the Seventh-day Adventist Church.

During the first week of the second semester of the senior year, all ministerial majors will be required to take a comprehensive written examination embracing the basic principles of Christianity and the Seventh-day Adventist faith. One who fails to perform satisfactorily may be required to do additional personal study, under the direction of the department, in order to meet the approval of the Ministerial Recommendations Committee.

Theology Major—The candidate for the Ministry will take thirty hours in Bible and Religion for the Bachelor of Arts degree including RELB 125; or 155 or 225; 445, 446; 335, 336; 425, 426; RELT 138 and 485. He will also take the following Applied Theology minor:

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Minor—Applied Theology:

SPCH 317, 415, or 416	3 hours
RELP 321:322 (Homiletics)	4 hours
RELP 351, 352 (Pastoral Ministry and Personal Evangelism)	3,3 hours
RELP 455 (Evangelistic Methods)	2 hours
EDUC 125 (Principles and Organization of Education)	3 hours

General Education Cognates: (For Theology Students only.)

Applied Arts (ACCT 121 or BUAD 128)	3 hours
MUPF 200 (Ministry of Music)	3 hours
ENGL 101:102 (College Composition)	6 hours
Foreign Language (RELL 271:272; 311:312)	14 hours
Introduction to Public Speaking (SPCH 135)	2 hours
Social Science	17 hours

15 hours of history, including HIST 174, 175 (Survey of Civilization); 364, 365 (History of the Christian Church); 3 hours History elective; and 3 hours Behavioral Science elective.

Minor—Religion: Eighteen hours in Bible and Religion including RELB 425 and 426, and Religion 138.

Optional Minors: Due to the arrangement of required subjects for the ministerial student, two additional minors may be easily obtained if desired.

Biblical Greek: Eighteen hours including RELL 271:272; 311:312; and 413:414.

History Minor (for Religion majors): (See History—Political Science Department section.)

Summer Field Programs: The major program is the evangelism field school conducted under the auspices of the Department and offering 5 hours of credit.

Additional programs for the individual student and student teams may be available by approval of the Department of Religion to requests coming from the conferences of the Southern Union Conference. Satisfactory prior arrangements must be made with the Religion Department.

Details concerning the field school and the associated programs and application forms for the same, are available through the Department of Religion.

BIBLE

RELB 125. LIFE AND TEACHINGS OF JESUS (A-1)

3 hours

A study of the life, ministry, and teachings of Jesus with special emphasis upon His teachings as they apply to the personal, social, and religious problems of the individual.

RELIGION

RELB 335, 336. NEW TESTAMENT EPISTLES (A-1) 3,3 hours

An exegetical study of the New Testament epistles in the order of their composition, including a background survey of the book of Acts.

RELB 425. STUDIES IN DANIEL (A-1) 3 hours

Recommended: HIST 174, 175.

A comprehensive study of the book of Daniel and its application for our day, including a survey of its backgrounds and historical setting. Special attention is given to the defense of the book against modern critics.

RELB 426. STUDIES IN REVELATION (A-1) 3 hours

Recommended: HIST 174, 175.

A study of the prophecies and symbolisms of Revelation with their historical fulfillments and their intimate relationships to the prophecies of the book of Daniel. Some consideration will be given to a study of the history of interpretation of the Apocalypse.

RELB 445. OLD TESTAMENT STUDIES (A-1) 3 hours

An introduction to the Pentateuch, historical books, and the Psalms. Attention will be given to important themes and their application today.

RELB 446. OLD TESTAMENT STUDIES (A-1) 3 hours

An introduction to the Major and Minor Prophets, wisdom literature, and the Apocrypha. Attention will be given to significant themes and their application today.

RELIGION

RELT 105. INTRODUCTION TO BIBLICAL THEMES (A-2) 3 hours

An introductory course in the teachings of the Seventh-day Adventist Church, especially provided for those students who have come from non-SDA secondary schools or colleges. One of the purposes of this course is to acquaint the student with the Biblical philosophy undergirding the various courses in this college. This course does not apply toward a major.

RELT 138. FOUNDATIONS OF THE ADVENT MOVEMENT (A-2) 3 hours

A study of the world-wide advent emphasis of the early nineteenth century and the subsequent development of the Seventh-day Adventist church and faith, and of the contributory role played by the spiritual gift of prophecy in its development.

RELT 155. ADVENTIST BELIEFS (A-2) 3 hours

An investigation of the Biblical teachings held by the Seventh-day Adventist Church. This course will involve a thorough study of the major teachings with a view to enhancing the student's understanding and ability to provide Biblical support for his faith. This course is not open to those who have taken RELT 105.

RELT 225. STUDIES IN LAST-DAY EVENTS (A-2) 3 hours

The purpose of this course is to alert the student to a wealth of prophetic material which describes the final events of earth, and to help the student better understand the character of God, and man's role in the closing events.

RELT 226. SANCTUARY AND ATONEMENT 3 hours

The study of the underlying principles of the plan of salvation as revealed in the sanctuary services of the Old Testament.

RELT 315. ISSUES IN PHYSICAL SCIENCE AND RELIGION (A-2) 3 hours

(See Physics and Computer Science Department listings.)

RELIGION

RELT 367. PHILOSOPHY OF RELIGION (A-2) 3 hours
An examination and defense of the Christian philosophy in the setting of current philosophical trends. Taught during alternate years.

RELT 368. COMPARATIVE RELIGIONS (A-2) 3 hours
Theological study of the major Christian and non-Christian religions of the world, including a survey of the history and the distinctive characteristics of each. Taught during alternate years.

RELT 485. CHRISTIAN THEOLOGY 3 hours
An introduction into Systematic Theology dealing with current theological issues. Required for all religion majors.

RELT 495. DIRECTED STUDY 1-2 hours
This course will be adjusted to meet the particular needs of the student. Available only to Religion/Theology majors or minors with the approval of the department chairman.

APPLIED THEOLOGY

RELP 235. CHRISTIAN WITNESSING (A-2) 3 hours
Prerequisite: RELT 155 recommended.

The nature and methods of witnessing are considered in this course. Methods of personal evangelism are studied, including the art of presenting Bible studies. An investigation of certain militant churches will be evaluated, and some difficult Biblical passages will be examined. Field work required. This course may be fulfilled in a summer externship program when satisfactory arrangements have previously been made with the Religion Department. Not to be taken by Theology majors. This course may apply in fulfilling Religion requirements, but not for the Religion major.

RELP 305. POSITIVE WAY LEADERSHIP (A-2) 3 hours
Prerequisite: Teaching experience in the Positive Way Christian Life Seminar. This course speaks to particular problems of spirituality in the Seventh-day Adventist Church and their proposed solution through the use of the Positive Way Seminar. A study of the practical application of the doctrine of salvation by faith will create the substantial background for the ideals presented in this class. From there the student will be led into an actual institution and teaching of salvation principles to others successfully within the scope of the Positive Way methods.

RELP 307. HEALTH EVANGELISM (A-2) 3 hours
A study of the rationale, approach, and procedure of Health Evangelism. Attention will be given to basic health education and current methods of doing evangelism from a "better living" standpoint. Recommended for those interested in inner-city evangelism.

RELP 321:322. HOMILETICS 2,2 hours
Prerequisites: SPCH 135 and SPCH 317, 415 or 416. Training in the preparation and presentation of the various types of talks and addresses the Christian worker or preacher is called upon to give. One hour lecture and two hours laboratory each week. Three field trips required.

RELP 351, 352. PASTORAL MINISTRY AND PERSONAL EVANGELISM 3,3 hours
A study of the pastor's role in relation to the conference, the local congregation, and the community. Attention will be given to an analysis of the various departments in the church and to a study of methods of operating the church and its departments most efficiently. Field work with the churches will be required. The

RELIGION

course may also be taken in connection with the Summer Field Schools of Evangelism, or may be fulfilled in a summer externship program, when acceptable arrangements have previously been made with the Religion Department.

RELP 455. EVANGELISTIC METHODS 2 hours

A study of the principles employed in conducting public evangelistic meetings. The student will learn how to plan, develop, and conduct an evangelistic series. This course is available also in connection with the Summer Field School of Evangelism, and may also be fulfilled in an externship program when satisfactory arrangements have previously been made with the Religion Department.

BIBLICAL LANGUAGE

RELL 271:272. ELEMENTS OF NEW TESTAMENT GREEK (B-3) 4.4 hours

A study of the grammar and syntax of the vernacular *koine* Greek of New Testament times, with readings in the Epistles of John. Laboratory work required.

RELL 311:312. INTERMEDIATE NEW TESTAMENT GREEK (B-3) 3.3 hours

A course in advanced studies, grammar and syntax of *koine* Greek with translation of readings from the Gospel of John, the Synoptics and the Pauline Epistles.

RELL 413:414. GREEK EXEGESIS 2.2 hours

Prerequisite: RELL 311:312.

A course in exegesis of selected passages from the Synoptic Gospels, Pauline and General Epistles, based on a grammatical and syntactical analysis of the original text with an introduction to textual criticism.

EDUCATION

EDUC 438. METHODS OF TEACHING BIBLE 2 hours

Prerequisite: Admission to Teacher Education.

Attention is given to methods and materials of instruction, planning, testing, and evaluating student performances, the survey and evaluation of textbooks. Four lectures each week of the first half of the second semester during the senior year.

NON-DEPARTMENTAL COURSES

AVIATION

AVIA 101. AVIATION FUNDAMENTALS I (E-1)	2 hours
AVIA 102. FLIGHT TRAINING I (E-1)	1 hour
AVIA 103. AVIATION FUNDAMENTALS II	2 hours
AVIA 104. FLIGHT TRAINING II	1 hour

GARDENING

AGRI 105. INTRODUCTION TO GARDENING (E-1)	2 hours
A study of the various aspects of gardening emphasizing soil building, fertilizers, disease and pest control, plant propagation and landscaping. Each student will have a plot of ground which he will prepare and plant. One hour lecture and three hours laboratory each week.	

HUMANITIES

HMNT 205. WESTERN MAN THROUGH THE ARTS (B-4)	4 hours
An integrated study of Art, Literature, and Music as related to man's concern and aspirations.	

READING

RDNG 206. READING IMPROVEMENT	2 hours
Prerequisite: Reading Techniques or permission of instructor. A course designed to teach students how to comprehend material at rapid reading rates. The goal is to triple reading rate and improve comprehension.	

SELF SUPPORTING WORK

OCED 204. PRINCIPLES OF SELF SUPPORTING WORK	2 hours
The objectives of this course are to set forth principles from the Spirit of Prophecy; review the history and the successes and failures of self-supporting institutions; study plans and methods of operation and set before the student the needs and call for active involvement as lay members to help finish the work of the church.	

PRE-PROFESSIONAL CURRICULA

Pre-professional and pre-technical curricula are offered in a wide variety of fields. Below are listed the curricula most frequently chosen. If other pre-professional programs are desired, faculty advisers are prepared to assist the student in working out a satisfactory sequence of courses needed to meet the admission requirements of the chosen professional school.

DENTISTRY

Advisors: M. D. Campbell, H. H. Kuhlman

Although preference will be given to students with a broad academic experience, a minimum of two years of college work is required for admission to schools of dentistry. Students seeking admission to the Loma Linda School of Dentistry would do well to consider the advantages of a four-year degree program. A minimum grade point average of 2.5 (C=2.00) should be maintained in both science and non-science courses. The following courses must be included to meet the minimum requirements for admission to the Loma Linda University School of Dentistry:

BIOL 155, 156	8 hours
CHEM 151:152, 311:312, 313:314	16 hours
ENGL 101:102	6 hours
INDS 174	4 hours
MATH 114	4 hours
PHYS 211:212, 213:214	8 hours
Physical Education	1 hour
Religion	9 hours
Electives	8 hours

DENTAL HYGIENE

Advisors: M. D. Campbell, H. H. Kuhlman

A career as a dental hygienist is of special significance to young women desiring employment as dental assistants. Students planning to take the Dental Hygiene program at Loma Linda University must take the Dental Hygiene Aptitude Test no later than the fall of the year before entry to Loma Linda is desired, and should take two years of college work (64 semester hours) including the following courses:

BIOL 125; 155, 156	11 hours
CHEM 101, 102	6 hours
ENGL 101:102	6 hours

PRE-PROFESSIONAL CURRICULA

*Humanities	10 hours
Religion	6 hours
Social Science (select three areas from: history, psychology, sociology, anthropology, economics)	
Speech	2 hours
Electives to make a total of 64 hours, selected from anthropology, fine arts, foreign language, history, literature, mathematics, psychology, religion, science, sociology, speech.	12 hours

DIETETICS

Advisors: Alice Calkins, Thelma Cushman

The student preparing for a career in dietetics must complete two years of college work prior to admission to the Loma Linda University School of Allied Health Professions. The Bachelor of Science degree is conferred by Loma Linda University upon completion of two additional years of professional training. The following pre-professional courses must be included in the student's academic program.

PSYC 124, SOCI 125	6 hours
BIOL 106, 125	6 hours
ACCT 121, ECON 225	6 hours
CHEM 101:102	6 hours
ENGL 101:102	6 hours
HIST 174	3 hours
Literature, Fine Arts, or Foreign Language	3 hours
MATH 114	3 hours
FDNT 124, 125, 127, 317	9 hours
Physical Education (two activity courses)	2 hours
Religion	9 hours
Speech	2 hours
Electives (in consultation with advisor)	3 hours

ENGINEERING

Advisor: Norman Peek

Walla Walla College has established an affiliation in engineering with SMC whereby up to two years of the engineering program may be taken on the SMC campus and the remaining two years at Walla Walla. This program is fully accredited with the Engineers Council for Profes-

*Selection of two from: fine arts, foreign language, literature, philosophy; not more than two hours in applied music, drawing, painting, etc.

PRE-PROFESSIONAL CURRICULA

sional Development, and offers emphasis in one of three areas: Mechanical, Electrical, and Civil. The engineering enrollment at WWC has been over one hundred for several years, with about twenty graduating annually. In order to complete this program at WWC without loss of time, the following courses should be completed during the first two years at SMC with a minimum GPA of 2.25:

Humanities/Social Studies	4-6 hours
Physical Education	2 hours
Religion or Bible	8-9 hours
ENGL 101:102	6 hours
INDS 149	4 hours
MATH 114, 115, 215, 217, 319	18 hours
CHEM 151:152	8 hours
CPTR	4 hours
PHYS 211:212; 213:214; 217, 218, 316	14 hours

LAW

Advisor: Jan Rushing

The student interested in the study of law as a profession should become acquainted with the entrance requirements of various law schools. A free copy of the brochure entitled "Law School Admission Test" may be secured by writing to the Educational Testing Service, Box 944, Princeton, New Jersey 08540. This will make possible the planning of a pre-professional program which will qualify the student for admission to several schools. Although admission is granted by some schools to gifted students after three years of college, it is wise to plan a degree program with a major and minor preference in business administration (including accounting), economics, social science, mathematics or English. Certain courses recommended by all institutions include: American history, freshman composition, principles of economics, American government, creative writing, principles of accounting, English history, business law, speech, and mathematics.

The student is advised to obtain the booklet "Law Schools and Bar Admission Requirements" published by the Section of Legal Education and Admissions to the Bar, American Bar Association, 1155 East 60th Street, Chicago, Illinois 60637, which provides information concerning the desired pre-professional backgrounds.

MEDICAL RECORDS ADMINISTRATION

Advisor: Richard Stanley

Students who desire to obtain a Bachelor of Science degree in Medical Records Librarianship should complete two years of general education course work at Southern Missionary College and then proceed to Loma Linda University to concentrate on Medical Records Administration

PRE-PROFESSIONAL CURRICULA

subjects during the junior and senior years. The pre-professional curriculum should include the following courses:

BIOL 105, 106	6 hours
ENGL 101:102	6 hours
Humanities (Select from at least two fields: fine arts, foreign language, HMNT 205, literature, philosophy, and speech)	12 hours
Religion	9 hours
SECR 118, 315	7 hours
Social Science: PSYC 124. Select from: anthropology, economics, geography, history, or sociology	12 hours
Typing (college credit or typing proficiency of 50 wpm for 10 minutes).	

Electives sufficient to make a total of 64 hours.

In addition to the above, the applicant must complete the Allied Health Professions Admission Test.

MEDICINE

Advisors: H. H. Kuhlman, Mitchell Thiel

Medical colleges, as a rule, require the completion of academic requirements for a baccalaureate degree. Along with the completion of stated admission requirements, a broad college program of liberal education is preferred to give balance to professional studies and later service.

Applicants for admission to the Loma Linda University School of Medicine are expected to maintain a grade point average of at least 3.00 (B) in both science and non-science courses. The following courses must be included in the applicant's academic program. Additional classes in biology and chemistry are recommended.

BIOL 155, 156	8 hours
CHEM 151:152, 311:312, 313:314	16 hours
ENGL 101:102	6 hours
MATH 114, 115	8 hours
PHYS 211:212, 213:214	8 hours
Religion	12 hours

OCCUPATIONAL THERAPY

Advisor: David Steen

Two years of college work are required for admission to the Loma Linda University School of Occupational Therapy. The Bachelor of Science degree is conferred by Loma Linda University upon completion of two additional years of professional training. The pre-professional curriculum should include the following courses:

PRE-PROFESSIONAL CURRICULA

Behavioral Science (including PSYC 124, 126 and SOCI 125	8 hours
BIOL 105, 106, 125	9 hours
CHEM 101:102 or PHYS 211:212, 213:214	6-8 hours
ENGL 101:102	6 hours
Humanities (Speech, crafts, ceramics, and one of the following: fine arts, foreign language, HMNT 205, literature, philosophy)	8 hours
Physical Education	2 hours
Religion	9 hours
Electives to bring total to 64 hours (art and behav- ioral science recommended)	

The Allied Health Professions Admission Test is required.

Information concerning occupational therapy opportunities, etc., may be obtained by writing the American Occupational Therapy Association, 250 West 57th Street, New York City, New York 10019.

OPTOMETRY

Advisor: Ray Hefferlin

The requirements for admission to the schools and colleges of optometry vary. However, in all schools emphasis is placed on mathematics, physics, chemistry, biology, or zoology. Some schools require additional courses, such as psychology, social sciences, literature, philosophy and foreign language.

The minimum of two years of preoptometric study may be pursued on this campus.

For further information on a career in optometry, and for assistance in planning a course of study in preoptometry, make inquiry at the office of Dr. Ray Hefferlin.

Direct individual inquiries are welcomed by the American Optometric Association, Division of Education and Manpower, 7000 Chippewa Street, St. Louis, Missouri 63119.

BIOL 125 and 155, 156	11 hours
CHEM 151:152	8 hours
ENGL 101:102	6 hours
MATH 114	4 hours
PHYS 211:212, 213:214	8 hours
PSYC 124	3 hours
Religion	8 hours
Electives (should include courses in social science, literature, speech, fine arts, and additional hours in mathematics and biology).	14 hours

PRE-PROFESSIONAL CURRICULA

OSTEOPATHIC MEDICINE

Advisors: M. D. Campbell, H. H. Kuhlman

Over the past several years numerous graduates of Seventh-day Adventist undergraduate colleges have attended the Kansas City College of Osteopathy and Surgery in full religious harmony, and now serve as physicians in local conference and foreign missions. The requirements for admission are:

Baccalaureate degree

Minimum of 2.4 (B-C) average

M.C.A.T. and M.M.P.I. test results

Chemistry (General, Qualitative, Organic) 13-18 hours

Biology (Zoology, Embryology) 8 hours

Physics, 8 hours

English, 8 hours

Electives as needed to complete the degree. Genetics, Statistics and Physical Chemistry will prove helpful if your program permits.

For detailed requirements and a college catalog write to 2105 Independence Avenue, Kansas City, Missouri 64124. For denominational information write to the Secretary-Treasurer of the National Association of Seventh-day Adventist Osteopathic Physicians (NAS-DAO), 8410 Willow Way, Raytown, Missouri 64138 or your Local, Union, or General Conference Medical Secretary.

PHYSICAL THERAPY

Advisor: David Steen

Two years of college work is required for admission to the Loma Linda University School of Physical Therapy. After the completion of two additional years of professional training, the Bachelor of Science degree is conferred by Loma Linda University. The following courses should be included in the pre-physical therapy curriculum to qualify for admission to L.L.U. Students not having had high school physics must enroll in college physical science.

PSYC 124, 126 and SOCI 125	8 hours
BIOL 125, 155, 156	11 hours
CHEM 101:102	6 hours
ENGL 101:102	6 hours
Humanities (include at least two areas: speech highly recommended, fine arts, foreign language, HMNT 205, literature, philosophy)	8 hours
Physical Education	2 hours

PRE-PROFESSIONAL CURRICULA

Religion 9 hours

Electives sufficient to make a total of 64 hours.

(If the student has taken no high school physics, he will need one semester of college physics with lab.)

The Allied Health Professions Admission Test is required.

PUBLIC HEALTH SCIENCE

Advisor: Christene Perkins

Today there is an increasing demand for programs that promote health and that prevent disease as well as treat it.

Two major factors influencing this demand are (a) an effort to slow down or decrease the rising costs of medical care and (b) emphasis on improving the quality of life.

The undergraduate program in public health science at Loma Linda University provides an opportunity to emphasize the prevention of illness and the promotion of health. The first two years of the program are offered at SMC after which the student transfers to Loma Linda to complete the work to receive the bachelor's degree in public health science. The following courses should be included in the pre-public health science curriculum to qualify for admission to LLU. Students not having had high school physics must enroll in college physics.

ENGL 101:102 6 hours

Humanities (speech, and select two areas from fine arts, foreign language, literature, philosophy) 8 hours

BIOL 105, 106 or 155, 156 6 hours

CHEM 101:102 6 hours

MATH 114 4 hours

Social Science: PSYC 124, SOCI 125, ECON 225 9 hours

Religion 9 hours

FDNT 125 3 hours

Electives sufficient to make a total of 64 hours.

In addition to the above, the applicant must complete the Allied Health Professions Admission Test.

VETERINARY MEDICINE

Advisor: Edgar Grundset

Since admission requirements vary, the student should obtain a list of the accredited veterinary colleges by writing to American Veterinary Medical Association, 600 South Michigan Avenue, Chicago, Illinois 60605.

As a rule, most schools of veterinary medicine require two years of college work. Upon completion of four additional years of pro-

PRE-PROFESSIONAL CURRICULA

fessional study, the student should be eligible for the Doctor of Veterinary Medicine. The student is advised to acquaint himself with the entrance requirements of the professional school of his choice.

X-RAY TECHNOLOGY

Advisor: Henry Kuhlman

The Loma Linda University School of X-ray Technology requires the following hours of college work for admission:

PSYC 124 or SOCI 125	3 hours
BIOL 105, 106	6 hours
CHEM 101:102	6 hours
ENGL 101:102	6 hours
MATH 105 (recommended)	3 hours
PHYS 107 (if no high school physics)	3 hours
Religion	3 hours
Electives	2 hours

The Allied Health Professions Admission Test is required.

A list of approved schools of X-ray technicians may be obtained by writing to the American Society of X-ray Technicians, 16 Fourteenth Street, Fond du Lac, Wisconsin 54935.

SOUTHERN MISSIONARY COLLEGE

Student Financial Information

1976-77

Planning for college requires careful consideration of a number of new responsibilities. Financial planning is not the least of these. A college education in a Christian school is a valuable experience. Education costs in general are increasing each year and Southern Missionary College has not been exempt from these rising costs although costs are still below the national average for private colleges.

SMC has made a large investment in vocational and auxiliary enterprises making it possible for those students who have limited financial assistance to work and defray a substantial portion of their school expenses.

STUDENT FINANCIAL BUDGET AND CAMPUS EMPLOYMENT

Each applicant must submit before registration time a financial budget on the form provided with his application to Southern Missionary College.

When a student is accepted under an approved budget which requires on-campus labor, the Director of Student Finance will make a reasonable effort to assist that student in finding work to the extent called for in the student's budget. The student is not to regard this acceptance as a guarantee that he shall be provided with work. It is the student's responsibility to make a personal effort to secure employment, to prove that he can render valuable service on the job, and to arrange a class schedule that is compatible with a reasonable work program.

Community students are considered on a cash basis, and it is understood that students living in residence halls will be given employment preference in the assignment of work opportunities in the auxiliary and vocational enterprises operated by the College.

ADVANCE PAYMENT

All students are required to make an advance payment at or before registration. The advance payment for all students registering for five or more semester hours is \$500 for students residing in college housing, \$400 for others. Those students who register for less than five semester hours may pay the total tuition charge in advance in lieu of the advance payment.

The advance payment less any housing charge (see Housing Deposit) is credited to the student's account at the close of the school year or under certain conditions upon his withdrawal from school.

A non-refundable deposit of \$50, which may become part of the advance payment, is required to accompany an application for enrollment in the nursing program.

FINANCIAL INFORMATION

Married Couples as Students—When a married couple enrolls for a combined total of seventeen hours or less of school work, they will be charged only one advance payment.

FOREIGN STUDENT DEPOSIT

Foreign students must remit \$1,000 to the College and a written statement verifying financial strength to cover college expenses, and an agreement to make payments in accordance with the financial policies of the College, prior to issuance of an I-20 form.

In addition to the \$1,000 deposit, which is held in reserve until the student terminates studies at the College, the student must make the regular deposit, required of all students, by the date of registration. The regular deposit is \$500 for students residing in College housing (includes \$50 housing deposit) and \$400 for others. The regular advance deposit will be refunded on the final statement of the academic year.

Foreign students who will receive financial sponsorship from a Division or employing organization may furnish a statement from the organization verifying that it will be responsible for all college expenses, in lieu of the \$1,000 deposit.

Foreign students who are accepted under the Bursary Plan through their local Division will receive matching funds from the College up to 50 percent of the cost of tuition.

HOUSING DEPOSIT

Before a housing or room reservation may be made, \$50 of the advance payment must be paid as a housing deposit. Tentative reservations may be made without a deposit before July 1; however, the deposit must be made by that date in order to hold the reservation. After July 1 requests for reservations must be accompanied by the \$50 payment.

If notice of nonattendance is given to the College at least three weeks before scheduled registration, one-half of the housing deposit is refundable. After that time no refund of the payment will be made, except as provided for in the following paragraph.

Students who register at the college and remain in residence a minimum of thirty days are eligible for deposit refunds which will be credited to their final statements. Costs of repairing damages to dormitory rooms and college apartments and of cleaning apartments and rooms that are not left in good condition will be charged to the students.

TUITION

The tuition is \$81 per semester hour for all course work taken. Thus a student taking 15½ semester hours (a full load) of classwork pays \$1,255.50 for one semester or \$2,511 for both regular semesters. Summer school tuition for 1976 is \$80 per semester hour. Married students living in college housing are required to take a course load of at least eight semester hours.

FINANCIAL INFORMATION

Tuition for audited courses is one-half the rate of courses taken for credit.

Tuition for the first semester is divided equally (one-fourth each) among the months of September, October, November and December. Tuition for the second semester is divided equally (one-fourth each) among the months of January, February, March and April.

MUSIC TUITION

One semester hour of private music instruction consists of 14 one-half-hour lessons. In addition to private instruction in applied music, classes of three or more students may be arranged. All persons who wish to take music must enroll for it at the Admissions Office even if they are not taking it for credit or if music is all they are taking. There is a \$5 registration fee for those who are taking music only.

Students are expected to enroll for private lessons or class instruction in an instrument or voice by the semester. Refunds will be allowed only when the instructor is not available for lessons.

TUITION REFUNDS

A student may drop all classes within one week after registration with a \$25 tuition charge. Subsequent to that time students who drop all classes will be charged tuition on a prorated basis based on an 18-week period.

During the first week following registration, students may make necessary changes in their class programs without charge. After this a fee of \$5 will be assessed for each change in the course program. After three weeks following registration there will be no reduction in tuition charges for classes dropped for the remainder of the semester.

STATEMENTS AND METHOD OF BILLING

Statements will be issued about the 5th day of each calendar month covering transactions through the end of the preceding month. The balance due the college is to be paid by the 25th of the month for discount privileges. Should a student's account be unpaid by the 15th of the succeeding month his registration may be cancelled until such time as the balance is paid or satisfactory arrangements are made.

EXAMPLE OF CREDIT POLICY

Period covered by statement	October 1-31
Approximate date of billing	November 5
Discount period ends	November 25
Class attendance severed if still unpaid	December 15

The above schedule of payment must be maintained since the College budget is based upon the 100 percent collection of student charges within the thirty-day period following date of billing. A student may not take semester examinations, register for a new se-

FINANCIAL INFORMATION

mester, or participate as a senior in commencement exercises unless his account is current according to the preceding regulations (see example of credit policy). No transcript will be issued for a student whose account is not paid in full or who is delinquent in payment of student loans.

Discounts—A cash and/or family discount on tuition is allowed when payment is made on or before the 25th of the month for the previous month's charge. The amount of the discount varies with the number of unmarried children enrolled from the same family in Southern Missionary College. The following rates apply.

<i>Number of Dependents</i>	<i>Amount of Discount</i>
1	2 per cent
2	5 per cent
3 or more	10 per cent

A college student, to qualify for family discount, must be enrolled for a minimum of 8 semester hours. Accounts of all students who are counted for a family discount and for which the same parent is responsible, must be paid before discounts above 2% are allowed on any of the family accounts. The 2% discount is allowed on any student account paid in full by the 25th of the following month.

SPECIAL FEES AND MISCELLANEOUS CHARGES

The following special fees and charges are assessed separately inasmuch as they may not apply to all students nor do they occur regularly:

Application for admission (not refundable)	\$10.00
Automobile parking fee (per semester)	12.50
Change of program	5.00
Late registration	15.00
Re-registration Fee	10.00
Credit by examination	25.00
Special examination for course waiver	5.00
Transcript	1.00
Graduation in absentia	10.00
Laboratory breakage deposit	15.00
(Refunded at the close of the course provided no breakage of equipment has resulted and locker and equipment is cleaned as prescribed.)	
Late return of organizational uniform	1.00
(The full cost will be charged if irreparably damaged or not returned.)	

FINANCIAL INFORMATION

In addition to charges for rent, board and tuition the following expense items may be charged to the student's account upon his request:

- a. Books.
- b. Approved uniforms for physical education classes and recreation.
- c. Subscriptions to professional journals as required by departments of instruction.
- d. Nursing uniforms.
- e. Membership dues for professional clubs of nursing (T.A.S.N.), education (S.N.E.A.), and music (M.E.N.C.) departments.
- f. General Purchase Coupon Books (valid at Village Market, Campus Shop, Southern Mercantile, Barber Shop and Beauty Shop). One book per month (\$10 value for single students, \$25 value for married students). Additional books by arrangement.

HOUSING

Fifty dollars (\$50) of the Advance Payment must be paid before a room or housing reservation may be made. (See Housing Deposit)

Residence halls—Single students not living with parents are required to reside in one of the college residence halls. These accommodations are rented for the school year and charged to the student in eight equal payments September through April. The yearly room charges are as follows:

Thatcher Hall	\$480
Talge Hall	480
Jones Hall	364
Madison Nurses' Dormitory (per semester)	240
Orlando Nurses' Dormitory (per semester)	240

Rates include flat laundry service at the College laundry. Laundry in excess of flat work will be charged at regular published laundry prices.

The room charges listed above include infirmary care and basic services provided by the Director of Health Service at the Health Service Center.

The room charge is based on two students occupying a room. A student may, upon application to the residence hall dean, be granted the privilege of rooming alone when sufficient rooms are available. The surcharge for this arrangement is \$15 monthly.

No refund is made for absence from the campus either for regular vacation periods or for other reasons. If a student moves out of the residence hall during the school year, adjustment of room rent is made based on the number of days the room was occupied by the student or his belongings.

Housing for Married Students—The College provides a number of apartments and mobile homes for married students. The apartments

FINANCIAL INFORMATION

range in size from two to four rooms and most are unfurnished. Rents range from \$52.25 to \$102.50 per month.

The mobile homes are two and three bedrooms in size and are furnished. Rents range from \$93.50 to \$127.50 per month. Charges for apartments and mobile homes are based on occupancy of any part of one-half month. Occupancy stops when keys are turned in.

There are fifty or more privately owned apartments in the Collegedale community. These also are available to students. Information may be obtained from the Business Manager's office upon request.

FOOD SERVICE

The cafeteria plan of boarding is used which allows the student the privilege of choosing his food and paying for what he selects. Board charges for students vary greatly. The College applies a minimum charge of \$40 per month and all students are urged to eat healthfully by avoiding between-meal snacks and by eating at the cafeteria or the Campus Kitchen where balanced meals are available. A student getting a nutritionally adequate diet by eating all meals at the cafeteria should expect to pay approximately \$3.00 per day.

LAUNDRY AND DRY CLEANING SERVICE

Dormitory room rates on the Collegedale campus include laundry flat work. Dry cleaning and laundry in excess of flat work will be charged at regular published laundry prices.

MADISON AND ORLANDO CAMPUS EXPENSES—DIVISION OF NURSING

The Division of Nursing offers part of its program on the Collegedale Campus and part on the Madison, Tennessee, and the Orlando, Florida, Campuses. Charges for tuition and other expenses follow the same schedule as for college work on the Collegedale campus.

NURSING STUDENTS UNIFORMS

Approximately \$50 will be needed for uniforms and \$15 for cape if cape is desired. The uniforms will be purchased the first semester of the freshman year. The cost of the uniforms only may be charged to the student's account if desired.

STUDENT TITHING

SMC encourages the payment of tithe and church expense by its student workers. In order to facilitate this practice, arrangements may be made by the student (except for those employed at the McKee Baking Co. and in the Federal Work-Study Program) to have ten percent of his school earnings charged to his account as tithe and two percent for church expense. These funds are then transferred by the College to the treasurer of the Collegedale Seventh-day Adventist Church. Tithe on earnings at the McKee Baking Company and from the Federal Work-Study Program must be withdrawn by the student at the College Student Finance Office and paid in cash.

FINANCIAL INFORMATION

BANKING AND CASH WITHDRAWALS

The accounting office operates a deposit banking service for the convenience of the student. Financial sponsors should provide students with sufficient funds through the banking service to cover the cost of personal items of an incidental nature and travel expenses off campus including vacation periods. Withdrawals may be made by the student in person only as long as there is a credit balance. These deposit accounts are entirely separate from the student's school expense account. Withdrawals from regular expense accounts are discouraged and permitted only under special arrangement with the Director of Student Finance and with the permission of the financial sponsor.

Each student should bring approximately \$75 for books and supplies at the beginning of each semester, if he desires to pay cash for these items.

FINANCIAL ASSISTANCE

Students applying for work, loans or scholarships should contact the Director of Student Finance, P. O. Box 370, Collegedale, Tennessee 37315.

STUDENT LABOR REGULATIONS

Believing in the inspired words that "systematic labor should constitute a part of the education of youth," (E. G. White) SMC has made provision that every student enrolled may have the privilege of organizing his educational program on the "work-study" plan. "Jesus the carpenter, and Paul the tent-maker, . . . with the toil of the craftsman linked the highest ministry, human and divine" (E. G. White). The College not only provides a work-study program, but strongly recommends it to each student enrolled.

In order to provide work opportunities to students, industries are operated by the College. The industries must serve their customers daily, necessitating a uniform working force. To continue these industries in operation, students assigned thereto must continue their work schedules to the end of the term. (Preparation for tests should be a day-by-day matter.) Any student who drops his work schedule without making proper arrangements may be suspended from class attendance until proper arrangements are made with the Director of Student Finance. It should be understood that once a student is assigned to work in a given department, he is expected to remain there for the entire school year except in cases where changes are recommended by the school nurse or approved by the College.

Should a student find it necessary to be absent from work, he must make prior arrangements with his work superintendent. In case of illness, he will inform the Health Service.

The Office of Student Finance for the college strives to place students on jobs to the best of its ability. For various reasons the college cannot guarantee work to a student even though his application

FINANCIAL INFORMATION

may have been accepted on a plan calling for an approximate number of hours of work per week. Some students choose class schedules with classes so scattered that a reasonable work program is impossible. Some are physically or emotionally unable to work, others are erratic at meeting work assignments. It is the responsibility of the student to render acceptable service to his employer in order to maintain a job. The department superintendent reserves the right to dismiss the student if his service is unsatisfactory. The student pay rate is not less than student rates set by the government wage-hour law. It may be higher if a student possesses special skills or training.

Birth Certificates and Work Permits—Whenever a student seventeen years of age or under is registered, the College issues a Tennessee Employment Certificate. This must be signed and on file at the College before a student may start work.

LABOR FOR FOREIGN STUDENTS

Foreign students on non-immigrant visas are required by law to secure permission before accepting any off-campus employment. Foreign students with student visas are allowed to work on campus up to 20 hours a week. Wives may work only if they have student visas of their own or have immigrant visas.

FINANCIAL AID

Southern Missionary College provides financial aid for students through loans, scholarships and employment. A single application for financial aid, filed with the College will be used for most of the aid programs.

The financial aid program is administered in conjunction with the nationally-established policy and philosophy which is that the parents are the primary and responsible source for helping a student to meet his educational costs. Financial aid is available to help fill the gap between the student's own resources (parental contribution, summer earnings, savings, etc.) and the total cost of attending Southern Missionary College. The amount of parental contribution will be based on the family's financial strength: net income, number of dependents, allowable expenses and indebtedness, and assets. The Family Financial Need Analysis from the American College Testing Program is used in determining a student's eligibility for financial aid.

Students are urged to apply early for financial assistance. Priority will be given to applicants whose applications are *complete* by April 1. Applications received by the College after April 1 will be processed as long as funds are available.

RENEWALS

Financial aid awards are made for one academic year only. Students must reapply each year.

FINANCIAL INFORMATION

VETERANS

Southern Missionary College is approved by the Veterans Administration as an accredited training institution. Those who qualify for educational benefits should contact the nearest Veterans Administration office. A certificate of eligibility must be presented before registration is completed.

Veterans or other eligible persons are required to attend classes in order to be eligible for educational benefits. Southern Missionary College is required to report promptly to the V.A. the last day of attendance when an eligible person withdraws or quits attending classes regularly.

A veteran or eligible person may not be certified for any course or subject that does not fulfill requirements for his stated degree and major. Audited courses, non-credit courses (except for a required remedial course), and correspondence work cannot be certified.

Educational benefits will be discontinued when the veteran or eligible person ceases to make satisfactory progress. According to V.A. regulations, no student will be considered to have made satisfactory progress when he fails or withdraws from all subjects undertaken (except when there is a showing of extenuating circumstances) when enrolled in two or more subjects, or when he fails to maintain good and regular academic standing for more than one semester. Benefits may be resumed only after the individual has obtained V.A. counseling and approval.

SCHOLARSHIPS AND LOANS

Southern Missionary College participates in the federal government sponsored student aid programs described below with other scholarship and loan funds available. Financial aid awards are made only to students who are accepted for admission, who plan to take at least eight semester hours of class work, demonstrate financial need, and hold U.S. citizenship or a permanent visa. For complete information and applications write to the Director of Student Finance.

Educational Opportunity Grant—Grant funds are available to students with exceptional financial need and must be matched with an equal amount from loans, work, or scholarships.

National Direct Student Loan—This long-term educational loan carries a 3 percent simple interest rate which does not accrue until the repayment period begins nine months after a student ceases to be enrolled at least half time.

Nursing Student Loan—Available to nursing students only, the loan's repayment period and 3 percent simple interest rate begin nine months after a student ceases to carry at least a half load of classwork toward a nursing degree. Deferments may be obtained for duty in a uniformed service or the Peace Corps. Cancellation up to 85 percent is possible for nursing service in specified circumstances.

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Nursing Scholarship Program—The Federal Government has made scholarship funds available for nursing students of academic or creative promise who have exceptional financial need.

Professional Nurse Traineeship Program for Registered Nurses—The Federal Government has made funds available for registered nurse students. During the last twelve months of the student's academic program, she/he may apply to receive a \$200 monthly stipend in addition to all tuition and fees being paid. Forty-five dollars (\$45) per month may be received for each dependent who receives over one-half his support from the enrollee. For further details contact the chairman of the Baccalaureate Nursing Department.

Psychiatric-Mental Health Trainee Stipends for Nurses—For nursing students who want preparation for responsible positions in the psychiatric-mental health field, the National Institute of Mental Health has traineeships available. Only junior and senior nursing students are eligible. The support includes a yearly stipend of \$1800 plus tuition, registration, and laboratory fees. For information and application forms, contact the chairman of the Baccalaureate Nursing Department.

Basic Educational Opportunity Grant Program—This new federal program is available to each student enrolled for half-time enrollment at an institution of higher education. Applications may be obtained from secondary schools, libraries or student aid office of post secondary institution.

Federally Insured Loan—Designed to assist students from the middle and upper income families, this loan is available from participating home-town banks, credit unions, savings and loan associations, or other authorized lending agencies. Repayment of principal and interest begin nine to twelve months after the borrower ceases to be a student. Under certain circumstances, the federal government will pay the 7 percent simple interest rate while the student is in school and during the nine months grace period. When this program is administered by a state agency, it is referred to as the Guaranteed Student Loan.

College Work-Study Scholarships—Funds have been provided by the Federal Government to provide jobs to full-time students of academic promise who demonstrate financial need. Benefits are extended particularly to students from low-income families. For information and application forms, write to the Director of Student Finance.

Secondary School Scholarships—Freshman students who are graduates of a Southern Union Academy or residents of the Southern Union and whose academic rank in secondary school is within the upper 5 percent of their graduating class and who have the recommendation of their faculty may receive a scholarship of \$350 from Southern Missionary College. Recipients must be enrolled for a minimum of 12 semester hours. Contact the Director of Admissions for information.

FINANCIAL INFORMATION

Teacher Education Scholarships—As an aid to young people who possess talents and interest in the field of elementary school teaching, scholarships amounting to \$300 for the junior year and \$600 for the senior year each may be made available by the Southern Union and local conferences of Seventh-day Adventists. SMC will provide opportunity for students on these scholarships to work a part of their remaining school expenses. For further details write to the Educational Secretary of the local conference in which you reside in the Southern Union. If you reside outside the Southern Union, write to the Superintendent of Education, Southern Union Conference, Box 849, Decatur, Georgia.

Doctor Ambrose L. Suhrie Scholarship for Elementary Teachers—An amount of at least \$250 is available each year to worthy students in training in Elementary Education.

A. E. Deyo Memorial Scholarships—Each year the faculty of the Division of Nursing selects a graduating senior student to receive this award of \$50. The student who is selected must have given evidence of good scholastic standing and Christian character and show promise of making a contribution to the Seventh-day Adventist medical work.

W. B. Calkins Student of the Year Awards—Each year an award of \$150 is made to an outstanding graduating senior student of nursing and a \$50 award is made to an outstanding junior student of nursing. The selection of the recipients is made by the faculty in cooperation with the student body of the Division of Nursing. The selection is based on quality of nursing care rendered, leadership and citizenship.

Kate Lindsay Award—The Loma Linda University Medical and Dental Alumni Auxiliary, Kentucky-Tennessee Chapter, presents an annual award consisting of a framed citation and a gift of cash to a sophomore associate of science degree nursing student. The recipient is selected by the nursing faculty on the basis of scholastic achievement (B average), potential for nursing, demonstration of good citizenship and Christian standards and participation in student functions and professional organizations.

Grants-in-Aid to Nursing Students—Seventh-day Adventist hospitals in the Southern Union Conference have funds available for Grants-in-Aid to students of Nursing in both the Associate degree and the Baccalaureate degree programs. Students who receive this aid will agree to enter nursing service for a definite period of time at the hospital from which the funds are received. Nursing students who are interested should contact the Director of Student Finance at Southern Missionary College.

O. D. and Anna Ruth McKee Scholarship Fund—Scholarships are available each year to Sophomore, Junior, and Senior students who have a satisfactory academic standing, are of good character and who show financial need.

FINANCIAL INFORMATION

Alvin Christensen Memorial Loan Fund—This fund of \$300 has been made available by Doctor and Mrs. L. N. Christensen for loan purposes to a college junior or senior majoring in biology or related fields who gives evidence of Christian sincerity, industry, satisfactory scholarship, and financial need. The interest rate of three per cent becomes effective one year after the borrower is no longer a student at the College, and the principal with interest is due and payable within three years.

The Denmark Fund—This fund has been made available for loans to needy students by physicians interested in assisting young people in gaining a college education. Three percent interest becomes effective when the borrower is no longer a student at the college.

Alumni Loan Fund—A revolving fund is maintained by the alumni of the College. Allocations are made to working students in the junior or senior year on the basis of proved need, character, leadership potential, and good scholarship. Loans are usually limited to \$100 per student.

1969 Alumni Loan Fund—A revolving fund is maintained by the alumni of 1969. Allocations are made to students in the junior or senior year on the basis of proved need, character, leadership potential, and good scholarship. Loans of up to \$300 for a semester are available. The interest rate of three percent becomes effective when the borrower severs student relationship with the College, and the principal with interest is due and payable within one year thereafter.

Educational Fund—Many young people are deprived of the privilege of attending college because of a lack of necessary means. To aid these, an earnest effort has been made to obtain donations for the establishment of an educational fund, from which students worthy of help may borrow money for a reasonable length of time. Faithfulness in refunding these loans will make it possible for the same money to assist other students in school. There have been some gifts, and these have been used to help several young men and women complete their work in this College. But the needs of worthy students have been greater than the funds on hand; consequently, it has been impossible in many instances to render the needed assistance. It has therefore been decided to direct the attention of patrons and friends of the school to these facts and to invite them to give such means as they may desire to devote to this purpose. The College will be glad to correspond with any who think favorably of this plan, and will continue to use the gifts so that the best results may be obtained.

Deferred Payment of Education Costs—For students and parents desiring to pay education expenses in 12 or 15 monthly installments, instead of eight months, a deferred payment program is available through Tuition Plan, Inc. Repayment of funds for four years of college may be made over a period of 48 to 72 months. A typical loan of \$1,000 for a school year would require 12 monthly payments of approximately \$89.00.

FINANCIAL INFORMATION

The deferred payment plans may include insurance on the life of the student's parent, disability insurance on the parent, plus trust administration in the event of the parents' death or disability. Agreements may be written to cover all costs payable to the College over a four-year period in amounts up to \$20,000. Agreements may be cancelled at any time without penalty charge.

Parents desiring further information concerning these deferred payment plans should contact the Director of Student Finance.

Anton Julius Swenson Loan Fund—\$1,000 a year of a \$15,000 fund plus interest on the remaining balance of the fund is made available each year for financial assistance to worthy students of promise. Please write to Director of Student Finance for further information.

Miscellaneous Funds—A limited amount of money in various scholarship and loan funds is available to students of promise who are in financial need. For information write to the Director of Student Finance.

Reile-McAlexander Memorial Loan Fund—Loans may be granted from this fund on the basis of financial need, character, and academic promise. Preference will be given students majoring in nursing. Three percent interest rate becomes effective on the date the borrower terminates studies at the College, and the principal and interest is due and payable one year thereafter.

E. T. Watrous Memorial Loan Fund—Small loans may be granted from this fund to assist students experiencing financial difficulty. The principal loan, plus 3% interest will be due and repayable one year after the borrower terminates student status at the College.

William Iles Scholarship Fund—This fund is available to needy students of promise.

Tennessee Tuition Grant—Available only to students who are residents of Tennessee. Applications for this program must be submitted by May 15. Grants are available up to \$1,200.

Otto Christensen Fund—A maximum of \$250 per individual for any one year is available to theology students or students studying to be Bible Instructors and who are of good character and in financial need. The amount of the loan shall be returned without interest to the fund, if and when the recipient is employed, within a maximum of five years after graduation.

Dorothy and Harold Moody Scholarship Award—A total grant of \$250 is distributed to one or more History majors with a grade Point Average of 3.00 or better whose positive citizenship contributes affirmatively to the atmosphere of SMC while showing high potential for future success in service for mankind. Senior History majors receive first consideration, but the award is also open to juniors.

FINANCIAL INFORMATION

Okimi Business Administration Scholarship Fund—This fund is made available by Mr. and Mrs. Wayne Okimi. A scholarship is made available each year to one student enrolled in the Department of Business Administration. Selection will be based on the student's financial need and potential for future leadership in the Adventist business community. Normally the recipient will have completed the freshman year. Contact the Department of Business Administration for further information.

Cartinhour Foundation Scholarship and Loan Fund—This fund is available for worthy students who would not otherwise be able to obtain an education.

Ludington Memorial Fund—A limited number of \$300 scholarships will be awarded each year at graduation time. The awards will be made on the basis of need, ability and dedication to Seventh-day Adventist objectives.

Conger Memorial Fund—Established by Mrs. Elmyra Conger Stover in honor of her late husband, J. R. (Jake) Conger, one of the students during the first years on the Collegedale campus. The income from this fund is intended to help worthy students who have decided to be teachers.

Sudduth Memorial Fund—In honor of Mr. and Mrs. J. A. Sudduth, this fund has been established by their children: Carl Sudduth, Elmyra S. Stover, Lynne Wiederkehr, Bessie Holcombe, and Wayne Sudduth. The income from this fund is intended to help worthy students who plan to go into teaching.

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Melvin Campbell

Frank Knittel
R. C. Mills

COLLEGE ADMINISTRATION

COLLEGE ADMINISTRATION

Frank Knittel, Ph.D. (1967) President

ACADEMIC

Cyril F. W. Futcher, Ed.D. (1962) Academic Dean

Kenneth Spears, M.B.A. (1963) Director of Admissions and Records

Mary Elam, M.A. (1965) .. Assistant Director of Admissions and Records

BUSINESS

R. C. Mills (1970) Business Manager

Robert Merchant, M.B.A., C.P.A. (1961) Treasurer

Rolland D. McKibbin, B.S. (1974) Assistant Treasurer

Louesa R. Peters, B.A. (1964) Assistant Treasurer

Laurel Wells (1964) Director of Student Finance

Paulette Goodman, B.S. (1974) Assistant Director of Student Finance

Waldemar Janke, B.S. (1972) Director of Computer Center

DEVELOPMENT

Dwight S. Wallack, B.A. (1974) Director of Development

COLLEGE RELATIONS

William H. Taylor, M.A. (1958) Director of College Relations

Hilda Fern Remley, B.A. (1975) Field Representative

LIBRARY

Charles Davis, M.A. (1968) Librarian

Peggy Bennett, M.S. (1971) Assistant Librarian

Loranne Grace, M.S. in L.S. (1970) Assistant Librarian

Marion Linderman, M.S. in L.S. (1962) Associate Librarian

Marianne Wooley, M.S. in L.S. (1966) Assistant Librarian
(Orlando Campus)

STUDENT PERSONNEL SERVICES

Melvin D. Campbell, Ph.D. (1968) Dean of Student Affairs

Everett Schlisner, M.A. (1974) Dean of Men

COLLEGE ADMINISTRATION

Ted Evans, B.A. (1974)	Assistant Dean of Men
Warren Halversen (1973)	Assistant Dean of Men
Millie Runyan (1975)	Dean of Women
Dorothy Somers, B.A. (1972)	Assistant Dean of Women
Frieda Shumate, B.S. (1975)	Assistant Dean of Women
Helen Bryant (1975)	Assistant Dean of Women
Dorothy Garner (1975)	Assistant Dean of Women (Madison Campus)
Fae Rees, B.A. (1964)	Associate Dean of Women (Orlando Campus)
Kenneth Davis, M.A. (1970)	Director of Counseling and Testing
Norman Peek, Ph.D. (1963)	Director of Audio-Visual
Eleanor Hanson, R.N. (1966)	Director of Health Service
Waldemar Kutzner, M.D. (1974)	College Physician
Gary Patterson, M.A. (1971)	College Pastor
Rolland Ruf, B.A. (1969)	Associate College Pastor
Desmond Cummings, B.A. (1971)	College Chaplain
Clifford O. Myers (1968)	Director of Campus Security

SUPERINTENDENTS OF AUXILIARY AND VOCATIONAL SERVICES

Harley Wells (1964)	Custodian
Francis Costerisan (1962)	Plant Maintenance and Construction
Robert Adams (1970)	Collegedale Laundry
Noble Vining, B.A. (1966)	College Press
Charles R. Lacey (1970)	Grounds
Ronald Grange (1972)	College Cafeteria
Bruce Ringer, B.S. (1953)	Southern Mercantile
Clifford C. Myers, B.S. (1971)	Village Market
Kathryn Hammond (1972)	Campus Shop

FACULTY DIRECTORY

FACULTY DIRECTORY

EMERITI

Theresa Rose Brickman, M.Ed., *Associate Professor Emeritus of Secretarial Science*

B.A., Union College; M.Ed., University of Oklahoma.

John Christensen, Ph.D., *Professor Emeritus of Chemistry*

B.A., Union College; M.A., University of Nebraska; Ph.D., Michigan State University.

Olivia Brickman Dean, M.Ed., *Associate Professor Emeritus of Education*

B.A., Union College; M.Ed., University of Oklahoma.

Charles Fleming, Jr., M.B.A., *Business Manager Emeritus*

B.A., Emmanuel Missionary College; M.B.A., Northwestern University. (1946)

INSTRUCTIONAL FACULTY

Ruth Abbott, B.S., *Instructor of Nursing*

B.S., Wayne State University. (1975)

Dorothy Evans Ackerman, M.Music, *Associate Professor of Music*

B.A., Atlantic Union College; M.Music, University of Chattanooga. (1957)

Frances Andrews, M.A., *Associate Professor of Communication*

B.A., Southern Missionary College; M.A., George Peabody College for Teachers. (1975)

Bruce Ashton, D.M.A., *Associate Professor of Music*

B.Mus., Capital University; M.Mus., American Conservatory of Music, D.M.A., University of Cincinnati. (1968)

Rudolf Aussner, Ph.D., *Professor of Modern Languages*

B.Th., Canadian Union College; M.Ed., Andrews University; M.A., University of Notre Dame; Ph.D., Vanderbilt University. (1964)

Sue Baker, M.A., *Assistant Professor of English*

B.A., Columbia Union College; M.A., Pacific Union College. (1971)

Douglas Bennett, Ph.D., *Professor of Religion*

B.A., Southern Missionary College; M.A., Andrews University; B.D., Andrews University; Ph.D., Bowling Green State University. (1961)

Peggy Bennett, M.S., *Assistant Professor of Library Science*

B.S., Southern Missionary College; M.S., Florida State University. (1971)

FACULTY DIRECTORY

Stuart P. Berkeley, Ed.D., *Professor of Education*
B.A., Atlantic Union College; M.A., Pacific Union College; Ed.D.,
University of the Pacific. (1971)

Ruby Birch, B.S., *Instructor of Nursing*
B.S., Loma Linda University. (1974)

Eleanor Brown, B.S., *Instructor of Nursing*
B.S., Walla Walla College. (1975)

Alice Calkins, M.S., *Assistant Professor of Home Economics*
B.A., Andrews University; M.S., Loma Linda University. (1974)

M. D. Campbell, Ph.D., *Professor of Chemistry*
B.A., Union College; Ph.D. Purdue University. (1968)

Malcolm Childers, M.A., *Instructor of Art*
B.A., Humboldt State University; M.A., Fullerton State University.
(1974)

Ann Clark, M.A.T., *Assistant Professor of English*
B.A., Southern Missionary College; M.A.T., University of Chattanooga.
(1965)

Jerome Clark, Ph.D., *Professor of History*
B.Th., Atlantic Union College; M.Ed., University of Maryland;
M.A., S.D.A., Theological Seminary; Ph.D., University of Southern California. (1959)

Gerald Colvin, Ph.D., *Professor of Behavioral Science*
B.A., Union College; M.Ed., University of Arkansas; Ph.D., University of Arkansas. (1972)

Carol Craig, M.S., *Associate Professor of Nursing*
B.S.; M.S., Loma Linda University. (1976)

Thelma Cushman, M.A., *Associate Professor of Home Economics*
B.A., Pacific Union College; M.A., Pacific Union College; M.A., Michigan State University. (1957)

Lenna Lee Davidson, B.S., *Instructor of Nursing*
B.S., Union College. (1968)

Charles Davis, MSLS., *Professor of Library Science*
B.A., Union College; M.A., Kansas State University;
MSLS, University of Southern California. (1968)

Jacqueline Davis, B.S., *Instructor of Physical Education*
B.S., Loma Linda University. (1972)

Kenneth R. Davis, M.A., *Assistant Professor of Religion*
B.A., Emmanuel Missionary College; M.A., Andrews University;
M.A., Boston University. (1970)

FACULTY DIRECTORY

Donald Dick, Ph.D., *Professor of Speech*
B.A., Union College; M.A., University of Nebraska;
Ph.D., Michigan State University. (1968)

C. Garland Dulan, Ph.D., *Assistant Professor of Behavioral Science*
B.S., Union College; M.A., University of California; Ph.D., University of California. (1975)

John Duricheck, M.A., *Associate Professor of Industrial Education*
B.S., Southern Missionary College; M.S., George Peabody College for Teachers. (1969)

Elfa Edmister, M.N., *Associate Professor of Nursing*
B.S., Madison College; M.N., Emory University. (1974)

Dorcas Ferguson, Ph.D., *Associate Professor of Behavioral Science*
B.S., Belhaven College; M.S., University of Mississippi; Ph.D., Texas Woman's University. (1974)

R. E. Francis, B.D., *Professor of Religion*
B.A., Columbia Union College; M.A., Andrews University; B.D., Andrews University. (1960).

Cyril F. W. Futcher, Ed.D., *Professor of Education*
B.A., Andrews University; Diploma in Theology, Newbold College; Diploma of Education, University of Western Australia; M.Ed., Maryland University; Ed.D., Maryland University. (1962)

Robert Garren, M.F.A., *Associate Professor of Art*
B.S., Atlantic Union College; M.F.A., Rochester Institute of Technology. (1968)

Philip G. Garver, *Assistant Professor of Physical Education*
B.A., Southern Missionary College; M.A., Eastern Michigan University. (1976)

Paul Gebert, Ph.D., *Assistant Professor of Chemistry*
B.S., Southern Missionary College; Ph.D., University of Florida. (1974)

Bruce Gerhart, M.A., *Associate Professor of English*
B.A., Southern Missionary College; M.A., University of Tennessee. (1965)

Ellen Gilbert, M.S., *Associate Professor of Nursing*
B.S., Loma Linda University; M.S., State College of Arkansas. (1967)

Orlo Gilbert, M.Mus.Ed., *Associate Professor of Music*
B.A., La Sierra College; M.Mus.Ed., Madison College at Harrisonburg, Virginia. (1967)

FACULTY DIRECTORY

Jerry Gladson, M.A., *Assistant Professor of Religion*
B.A., Southern Missionary College; M.A., Vanderbilt University. (1972)

Judith Glass, M.Mus., *Assistant Professor of Music*
B.Mus., University of Texas at Austin; M.Mus., University of Texas at Austin. (1975)

Kathy Gooch, B.S., *Instructor of Nursing*
B.S., Southern Missionary College. (1975)

Loranne Grace, M.S., *Assistant Professor of Library Science*
B.S., Walla Walla College; M.S., University of Washington. (1970)

Lorenzo Grant, M.A., *Assistant Professor of Religion*
B.A., Columbia Union College; M.A., Howard University. (1976)

Floyd Greenleaf, M.A., *Associate Professor of History*
B.A., Southern Missionary College; M.A., George Peabody College for Teachers. (1966)

Thomas Grindley, B.S., *Assistant Professor of Industrial Arts*
B.S., Loma Linda University College of Arts and Sciences. (1973)

Edgar O. Grundset, M.A., *Associate Professor of Biology*
B.A., Emmanuel Missionary College; M.A., Walla Walla College. (1957)

Minon Hamm, Ph.D., *Associate Professor of English*
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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST

S	M	T	W	T	F	S
	1	2	3	4	5	6
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEPTEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

OCTOBER

S	M	T	W	T	F	S
	1	2				
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

NOVEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DECEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

1977

JANUARY

S	M	T	W	T	F	S
	1					
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FEBRUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

MARCH

S	M	T	W	T	F	S
	1	2	3	4	5	6
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

APRIL

S	M	T	W	T	F	S
	1	2				
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

MAY

S	M	T	W	T	F	S
	1	2	3	4	5	6
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

JUNE

S	M	T	W	T	F	S
	1	2	3			
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

JULY

S	M	T	W	T	F	S
	1					
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

AUGUST



SEPTEMBER

S	M	T	W	T	F	S
	1	2	3			
8	9	10				
15	16	17				
22	23	24				
29	30					

OCTOBER

S	M	T	W	T	F	S
	1					
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

NOVEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

DECEMBER

S	M	T	W	T	F	S
	1	2	3			
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



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